

Climatological Data for July, 1909.

DISTRICT No. 7, LOWER MISSISSIPPI VALLEY.

Dr. ISAAC M. CLINE, District Editor.

TEMPERATURE.

The mean temperature for the month was above the normal, generally throughout the division except in northeastern Missouri, where there was a deficiency of slightly more than two degrees. The greatest excess in temperature, 3.5° , occurred over southeastern Colorado in the Arkansas Valley and over central and southern Oklahoma in the Canadian and Red River valleys. The highest monthly mean temperature was 87.7° at Ardmore, Carter County, Okla., and the lowest was 55.4° at Lake Moraine, El Paso County, Colo. The maximum temperature for the month was above 100° in nearly all parts of the division, except in the Kentucky area, a large part of the Missouri area, and the mountainous regions of the Colorado and New Mexico areas. The highest temperature officially recorded was 111° on the 12th, at Cloud Chief, Washita County, Okla. A temperature of 136° was reported as accompanying a hot wind on the night of the 10–11th, in the vicinity of Cherokee, Alfalfa County, Okla. (This "hot wind" is discussed at length elsewhere in the REVIEW). The accuracy of the thermometers can not be vouched for, but it suffices to say that the heat was very intense as was evidenced by the effects upon vegetation. The wind was very dry, parching the skin. There was no rain in the heated district, but light showers were reported from the surrounding country. The highest temperatures of the month occurred generally from the 10th to the 18th, although in some eastern sections the month closed with a warm period in progress. The lowest temperature recorded was 32° at Lake Moraine, El Paso County, Colo. Except at the high mountain stations in Colorado and New Mexico, the minimum temperatures were well above 50° in all portions of the section, and the month as a whole can be said to have been favorable as regards temperature in practically all portions of the district.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—The precipitation for the month was very unevenly distributed throughout the drainage area. There was an excess at the extreme headwaters of the Arkansas proper; otherwise, there was a deficiency of half an inch eastward to the 99th meridian, except that there was an excess at a few stations to the north of the Arkansas Valley in eastern Colorado. Between the 99th and 95th meridians there was a general excess, ranging from half an inch to more than 2 inches, except in the valley of the Cimarron, where there was a deficiency ranging from half an inch to more than 2 inches. In the Neosho Valley there was a marked excess, the greatest being 6.10 inches at Leroy where the total monthly rainfall was 13.03 inches. The precipitation was below the normal in all portions of the Canadian Basin, except at a few stations in New Mexico and in the Texas Panhandle; the deficiency was generally 2 to 3 inches over that portion of the Canadian Valley that lies in Oklahoma. In the lower reaches of the Arkansas, including extreme eastern Oklahoma and that portion of Arkansas draining into the Arkansas River, there was a general deficiency ranging from 1 to 4 inches. Heavy rains (2.50 inches, or more in twenty-four hours) fell in the Neosho Basin as follows: On the 7th, Lebo, 3.06; Council Grove, 5.02, and Neosho Rapids, 3.00. On the 10th, Burlington, 3.47; Leroy, 8.20; Marion, 3.60; Neosho Rapids, 2.70. On the 25th, Cottonwood Falls, 3.40, and Emporia, 2.97. Madison in the Verdigris Basin reported 3.44 on the 10th; Coolidge, Kans., on the Arkansas proper, reported 3.27 inches on the 25th; Jefferson, Okla., on the Arkansas proper, 3.58 inches on the 25th,

and White Eagle, Okla., on the Arkansas proper, 2.50 inches on the 27th.

Red River and tributaries.—Over that portion of the Red River Valley lying in the Texas Panhandle, there was a slight excess of precipitation for the month, but over the remainder of the basin there was a deficiency, except in a few localities in southwestern Oklahoma. In the Texas Panhandle the monthly amounts ranged from 1.20 to 4.09 inches; in the middle reaches of the Red, along the Oklahoma-Texas line, the monthly amounts were very small ranging from 0.04 inch to 1.73 inches, but being generally less than 1 inch and in many cases less than half an inch. In that part of the drainage area lying within the State of Louisiana, monthly totals were somewhat larger, ranging from 2 to 4 inches, but the precipitation was below the July average, the deficiency ranging from 1.78 to 3.43 inches. The least rainfall in the Red River Valley was 0.04 inch in south-central Oklahoma, and the heaviest, 4.00 inches, in central Louisiana. Heavy rains occurred in the Red River Valley as follows: Harrington, Okla., 2.74 on the 1st.

Mississippi south of St. Louis and small tributaries.—There was an excess ranging from half an inch to more than 2 inches over the greater portion of the area drained by the Meramec and the upper portion of the White. Over the extreme northwestern portion of Tennessee, and the extreme southwestern portion of Kentucky, there was an excess of more than 3 inches. South of the 36th parallel of latitude, there was a general deficiency of precipitation in the vicinity of the Mississippi. Over the lower White the deficiency was 1 to 2 inches. The deficiency ranged generally from 1 inch to more than 4 inches over the western portion of the State of Mississippi. In the Yazoo and Big Black valleys, the deficiency was generally more than 3 inches. Throughout the Ouachita Valley, there was a general deficiency of about 2 inches. Heavy rains occurred in the immediate vicinity of the Mississippi as follows: On the 7th, Caruthersville, Mo., 2.50, and Sikeston, Mo., 2.80 inches.

Louisiana coastal plain.—In Louisiana south of the 31st parallel of latitude, the runoff from precipitation does not discharge through either the Mississippi or the Red (Atchafalaya), but is carried direct to the Gulf of Mexico in numerous sluggish streams, styled, as a rule, bayous. The precipitation over this area ranged from 2 to 8 inches. The deficiency was from 2 to 6 inches west of the Mississippi and was generally less than 1 inch east of the Mississippi.

SUMMER HOT WINDS

A report from Rev. A. L. Ray of Cherokee, Okla., says:

Between one and three o'clock on the morning of July 11, a strange phenomenon occurred in Cherokee, Okla., and vicinity. The thermometers recorded a rise in temperature to 136° . The effect of the hot winds on vegetation indicated that the center of greatest heat was a few miles south of Cherokee.

Hot winds or hot currents of air, similar to those described above, have been reported occasionally from different parts of the Great Plains region since the commencement of meteorological observations in that section of the country, and they form an interesting phenomenon. The intensely hot currents are narrow and are separated by intervals of cooler air ranging in width from a few feet to several hundred yards. The individual hot currents of air are of short duration, but often occur in rapid succession at places near where they have been previously experienced. At times the hot winds are observed over a small area, then at other times groups of such hot winds separated by only a few miles cover a considerable extent of territory, and

again several miles intervene between such groups, and in this manner the hot winds sometimes extend over the whole of a State, or a portion of two or three States.

The occurrence of summer hot winds can readily be discerned from their effects on vegetation. The more intensely hot currents burn tender vegetation to a crisp in a few minutes, notwithstanding that the earth may be wet and there may be a large percentage of moisture in the general atmosphere. The leaves of trees have been dried to a crisp in some instances and apples have been reported cooked on the trees.

These winds occur only when a marked area of low pressure has remained nearly stationary or moved back and forth over the eastern slope of the Rocky Mountains or the Plains States for a few days, coincident with the existence of a high pressure area over the North Pacific States. Such conditions acting with the general eastward trend of the winds of the middle latitudes carry the atmosphere from the Pacific coast across the Continental Divide to the eastern Rocky Mountain region. In crossing the Divide, the moisture of the air is precipitated on the western slope as a result of cooling in ascent and the air is dry when carried forward into the upper portion of the western segment of the lower pressure area over the eastern Rocky Mountain

slope or the Plains States. This air in descending over the eastern slope, after having dissipated the cloud carried over, gains in temperature dynamically nearly twice as rapidly in descending through a corresponding distance, as it cooled in ascending the western slope. (Precipitation from cooling during ascent liberates the heat that holds the water in a state of vapor and thereby compensates for the heat lost dynamically in ascent to the extent of nearly one-half). In moving toward the low pressure area, this dry air takes up the circulation around it first from the north, then from the west, and when the southeastern quadrant is reached it is from a southerly direction. Since the upper atmosphere moves forward more rapidly than the lower, this dry air is carried outward in the upper region over the moister and less dense air near the earth's surface in the southeast quadrant of the low pressure area. This dry air from a high altitude descends rapidly, through the moist and less dense air, to the earth's surface, with its initial dryness and the warmth gained dynamically, and gives us the peculiar hot winds observed in summer over the Great Plains. For a full account of all hot winds in summer reported from the Great Plains prior to 1894 and the conclusions as to their cause, see Bulletin, vol. XII, pp. 309-348, Philosophical Society of Washington, D. C., 1894.

TABLE 1.—Climatological data for July, 1909. District No. 7, Lower Mississippi Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | Precipitation, in inches. | | | | Sky. | Prevailing wind direction. | Observers. | | | | | |
|---------------------|-------------|------------------|------------------------|-------------------------------------|----------------------------|----------|-------|---------------------------|-------|-----------------------|--------|----------------------------|----------------------------|--------------------------|-----------------------------------------|-------------------------------|------------------------|----|--------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, .01 inch or more. | Number of partly cloudy days. | Number of cloudy days. | | |
| <i>Colorado.</i> | | | | | | | | | | | | | | | | | | | |
| Blaine. | Baca. | 3,935 | 17 | 78.4 | + 2.3 | 103 | 11 | 58 | 18† | 40 | 1.18 | - 1.74 | 0.60 | 0.0 | 7 | 22 | 9 | 0 | s. |
| Buena Vista. | Chaffee. | 7,955 | 9 | 62.0 | | 85 | 17 | 35 | 5 | 45 | 1.63 | - 0.88 | 0.00 | 0.0 | 2 | 20 | 6 | 5 | w. |
| Calhan. | El Paso. | 6,700 | 13 | 68.3 | | 90 | 11 | 51 | 13† | 37 | 2.86 | - 0.79 | 0.00 | 0.0 | 10 | 14 | 13 | 4 | se. |
| Canon City. | Fremont. | 5,325 | 21 | 77.0 | + 3.9 | 99 | 11 | 58 | 26 | 39 | 0.51 | - 1.38 | 0.30 | 0.0 | 4 | 6 | 23 | 2 | e. |
| Colorado Springs. | El Paso. | 6,098 | 30 | 68.6 | + 0.7 | 94 | 11 | 46 | 27 | 39 | 1.94 | - 0.90 | 0.90 | 0.0 | 10 | 20 | 9 | 2 | .. |
| Cripple Creek. | Teller. | 9,396 | 9 | | | | | | | | 3.06 | - 0.77 | 0.63 | 0.0 | 8 | | | | |
| Cuchara Camps. | Huerfano. | 8,200 | | | | | | | | | 1.79 | - 0.42 | 0.00 | 0.0 | 6 | 22 | 9 | 0 | sw. |
| Eads. | Kiowa. | 4,309 | 2 | 75.6 | | 97 | 1† | 52 | 8 | 38 | 2.25 | - 0.70 | 0.60 | 0.0 | 6 | | | | |
| Fairview. | Custer. | 9,500 | | | | | | | | | 1.42 | - 0.60 | 0.00 | 0.0 | 4 | 19 | 7 | 5 | e. |
| Florence. | Fremont. | 5,185 | | | | 102 | 17 | | | | 1.51 | - 1.20 | 0.00 | 0.0 | 3 | 24 | 0 | 7 | se. |
| Garfield. | Chaffee. | 6,510 | | | | | | | | | 2.44 | - 0.41 | 0.14 | 0.0 | 14 | 11 | 14 | 6 | .. |
| Glen Eyrie. | El Paso. | 6,500 | 17 | 67.0 | + 1.5 | 91 | 11† | 47 | 11† | 44 | 3.45 | + 0.60 | 1.02 | 0.0 | 10 | 19 | 11 | 1 | n. |
| Hamps. | Elbert. | 5,400 | 16 | 67.6 | + 0.5 | 90 | 11 | 47 | 17 | 39 | 3.94 | + 1.60 | 1.98 | 0.0 | 9 | 23 | 5 | 4 | s. |
| Hermit Lake. | Custer. | 10,000 | | | | | | | | | | | | | | | | | |
| Hoehne (near). | Las Animas. | 5,700 | 17 | 70.4 | + 0.1 | 101 | 9† | 41 | 3 | 56 | 2.10 | - 0.16 | 0.70 | 0.0 | 7 | 26 | 4 | 1 | w. |
| Holly. | Prowers. | 3,380 | 14 | 77.9 | + 1.4 | 100 | 11 | 55 | 8 | 39 | 3.73 | + 0.75 | 1.63 | 0.0 | 7 | 24 | 7 | 0 | sc. |
| Lake Moraine. | El Paso. | 10,265 | 15 | 55.4 | + 2.2 | 74 | 11† | 32 | 1 | 33 | 3.89 | - 0.39 | 1.00 | 0.0 | 16 | 4 | 25 | 2 | ne. |
| Lamar. | Prowers. | 3,592 | 19 | 80.3 | + 2.9 | 104 | 11† | 60 | 21 | 38 | 1.59 | - 1.49 | 1.28 | 0.0 | 4 | 24 | 7 | 0 | e. |
| Las Animas. | Bent. | 3,899 | 41 | 80.4 | + 3.5 | 106 | 20 | 57 | 17 | 46 | 1.65 | - 0.36 | 0.57 | 0.0 | 6 | 13 | 7 | 11 | se. |
| La Veta Pass. | Costilla. | 9,000 | | | | | | | | | 1.57 | - 0.80 | 0.00 | 0.0 | 5 | 16 | 8 | 7 | w. |
| Leadville. | Lake. | 10,348 | 13 | 57.0 | + 6.8 | 77 | 8 | 38 | 28 | 35 | 2.34 | + 1.26 | 0.54 | 0.0 | 13 | | | | n. |
| Limon (near). | Elbert. | 5,360 | 2 | 69.4 | | 90 | 18† | 51 | 23 | 37 | 3.17 | - 0.50 | 1.70 | 0.0 | 7 | 25 | 5 | 1 | se. |
| Marshall Pass. | Saguache. | 10,846 | 6 | | | | | | | | 2.17 | - 0.43 | 0.00 | 0.0 | 10 | 20 | 7 | 4 | w. |
| North Lake. | Las Animas. | 6,700 | | | | | | | | | | | | | | | | | |
| Pueblo. | Pueblo. | 4,734 | 21 | 76.0 | + 1.8 | 102 | 11 | 56 | 22 | 41 | 1.21 | - 0.76 | 0.41 | 0.0 | 7 | 17 | 12 | 2 | se. |
| Rockyford (near). | Otero. | 4,177 | 20 | | | | | | | | 3.43 | - 0.77 | 0.00 | 0.0 | 12 | 12 | 5 | 14 | sw. |
| St. Elmo. | Chaffee. | 9,600 | | | | | | | | | | | | | | | | | |
| Salida. | do. | 7,035 | 11 | 67.5 | + 2.5 | 92 | 2 | 40 | 10 | 47 | 1.05 | - 0.39 | 0.40 | 0.0 | 7 | 22 | 5 | 4 | w. |
| Santa Clara. | Huerfano. | 8,250 | 14 | 65.4 | + 2.5 | 93 | 11 | 47 | 21 | 45 | 2.71 | - 0.57 | 0.80 | 0.0 | 15 | 4 | 27 | 0 | .. |
| Sheridan Lake. | Kiowa. | 4,065 | 8 | 78.6 | + 6.0 | 103* | 18 | 55* | 13 | 40* | 4.65 | + 1.19 | 3.00 | 0.0 | 6 | 25 | 3 | 3 | se. |
| Stonewall. | Las Animas. | 8,000 | 3 | | | | | | | | 2.10 | - 0.55 | 0.00 | 0.0 | 14 | 10 | 20 | 1 | J. W. Shouse. |
| Trinidad. | do. | 5,994 | 14 | | | | | | | | | | | | | | | | |
| Victor (near). | Teller. | 10,100 | 5 | 61.8 | | 92 | 13 | 34 | 15 | 43 | 4.27 | - 1.63 | 0.00 | 0.0 | 15 | 15 | 13 | 3 | n. |
| Vila. | Baca. | 3,935 | 19 | | | | | | | | 1.91 | - 0.11 | 1.04 | 0.0 | 5 | 6 | 25 | 0 | sw. |
| Westcliffe. | Custer. | 7,864 | 15 | 65.2 | + 4.0 | 98 | 8† | 38 | 10 | 48 | 2.27 | - 0.52 | 0.79 | 0.0 | 11 | 10 | 20 | 1 | sw. |
| Winfeld. | Chaffee. | 9,765 | | | | | | | | | 1.80 | - 0.51 | 0.00 | 0.0 | 9 | 8 | 19 | 4 | e. |
| Wortman. | Lake. | 11,250 | 9 | | | | | | | | 0.84 | + 3.82 | 2.00 | 0.0 | 14 | 1 | 15 | 15 | George C. Wortman. |
| <i>New Mexico.</i> | | | | | | | | | | | | | | | | | | | |
| Abbott. | Mora. | 5,771 | | | | | | | | | 1.89 | - 0.75 | 0.00 | 0.0 | 5 | 3 | 23 | 5 | sw. |
| Albert. | Union. | 4,700 | 19 | 70.4 | + 2.4 | 106 | 11 | 60 | 16 | 40 | 0.64 | - 2.31 | 0.40 | 0.0 | 5 | 17 | 12 | 2 | s. |
| Arcob (near). | Roosevelt. | 8,849 | | | | | | | | | 1.77 | - 0.0 | 11 | 2 | 23 | 4 | | | |
| Aurora. | Colfax. | 8,490 | 5 | 70.7 | | 106 | 11 | 58 | 16† | 40 | 4.01 | + 1.13 | 1.25 | 0.0 | 13 | 11 | 16 | 4 | sw. |
| Bell Ranch. | San Miguel. | 4,500 | 5 | | | | | | | | | | | | | | | | |
| Black Lake. | Colfax. | 8,348 | | | | | | | | | | | | | | | | | |
| Cabeza. | San Miguel. | 5,406 | | | | | | | | | | | | | | | | | |
| Campana. | do. | 4,493 | | | | | | | | | | | | | | | | | |
| Chacon. | Mora. | 9,000 | | | | | | | | | | | | | | | | | |
| Cimarron (near). | Colfax. | 6,335 | 4 | 69.4 | | 92 | 11 | 47 | 14 | 44 | 1.70 | - 0.65 | 0.00 | 0.0 | 10 | 11 | 16 | 4 | e. |
| Clayton. | Union. | 5,178 | 5 | 76.4 | | 98 | 11 | 56 | 26 | 37 | 1.90 | - 0.77 | 0.00 | 0.0 | 5 | 17 | 14 | 0 | w. |
| Cuervo. | Guadalupe. | 4,849 | | | | | | | | | 2.03 | - 0.93 | 0.00 | 0.0 | 5 | | | | |
| Dawson. | Colfax. | 6,398 | | | | | | | | | 1.75 | - 0.58 | 0.00 | 0.0 | 10 | 12 | 5 | 14 | .. |
| Dorsey (near). | do. | 6,000 | 8 | 72.0 | | 95* | 16 | 50* | 16† | 45* | 3.70 | - 1.50 | 0.00 | 0.0 | 13 | 11 | 16 | 4 | s. |
| Elizabethtown. | Mora. | 8,465 | 3 | 59.0 | | 85 | 12 | 36 | 29 | 48 | 2.66 | - 0.94 | 0.00 | 0.0 | 8 | 11 | 16 | 4 | .. |
| Fort Union. | Colfax. | 6,835 | 40 | 67.2 | - 1.7 | 91 | 11 | 44 | 14 | 41 | 2.88 | - 1.32 | 0.65 | 0.0 | 12 | 18 | 13 | 0 | sw. |
| Hayden. | Union. | 4,444 | | 77.2 | | 98 | 9 | 55 | 13† | 40 | 1.86 | - 1.76 | 0.00 | 0.0 | 5 | 7 | 7 | 6 | s. |
| Lake Alice. | Colfax. | 7,160 | | | | | | | | | 1.76 | - 0.86 | 0.00 | 0.0 | 5 | 17 | 14 | 0 | .. |
| Logan. | Quay. | 3,851 | 3 | 80.7 | | 105 | 11 | 57 | 28 | 43 | 2.10 | - 0.93 | 0.00 | 0.0 | 6 | 14 | 15 | 2 | s. |
| Los Alamos. | San Miguel. | 6,789 | 5 | | | | | | | | 2.64 | - 0.90 | 0.00 | 0.0 | 10 | | | | |
| Maxwell (near). | Colfax. | 5,894 | 3 | | | | | | | | 3.97 | - 0.00 | 0.00 | 0.0 | 9 | | | | |
| Melrose. | Curry. | 4,400 | 1 | 78.0 | | 104 | 11 | 58 | 28† | 40 | 1.47 | - 0.81 | 0.00 | 0.0 | 9 | 25 | 5 | 1 | sw. |
| Miami Ranch. | Colfax. | 6,000 | 2 | 70.6 | | 94* | 11 | 48 | 26 | 42† | 3.77 | - 2.72 | 0.00 | 0.0 | 7 | 13 | 17 | 1 | w. |
| Montoya. | Quay. | 4,335 | | | | | | | | | 1.16 | - 0.70 | 0.00 | 0.0 | 8 | 20 | 0 | 11 | .. |
| Nara Visa. | do. | 4,225 | 4 | 77.8 | | 103 | 11 | 58 | 13 | 38 | 2.59 | - 0.71 | 0.00 | 0.0 | 8 | 19 | 5 | 7 | .. |
| Raton. | Colfax. | 6,680 | 13 | 71.3 | + 2.0 | 96 | 11 | 51 | 26 | 41 | 2.13 | - 0.07 | 0.85 | 0.0 | 14 | 15 | 16 | 0 | w. |
| Rociado. | San Miguel. | 8,200 | 6 | 63.8 | | 85 | 11† | 41 | 10 | 42 | 4.07 | - 0.88 | 0.00 | 0.0 | 14 | 5 | 23 | 3 | s. |
| Roy. | Mora. | 5,884 | | | | | | | | | 1.43 | - 0.95 | 0.00 | 0.0 | 4 | | | | |
| San Jon. | Quay. | 4,200 | 3 | 80.4 | | 104 | 11 | 61 | 7 | 36 | 1.67 | - 0.90 | 0.00 | 0.0 | 7 | 9 | 17 | 5 | sw. |
| Salano. | Mora. | 5,622 | | 73.8 | | 98 | 11 | 54 | 16† | 37 | 1.46 | - 0.39 | 0.00 | 0.0 | 10 | 16 | 6 | 9 | .. |
| Springer. | Colfax. | 5,857 | 14 | | | | | | | | 1.94 | - 0.63 | 0.00 | 0.0 | 5 | 14 | 17 | 0 | .. |
| Taylor. | do. | 5,661 | | | | | | | | | 2.54 | - 0.64 | 0.00 | 0.0 | 9 | 12 | 18 | 1 | se. |
| Tremontina. | San Miguel. | 2 | | | | | | | | | 1.90 | - 0.64 | 0.00 | 0.0 | 6 | 23 | 8 | 0 | .. |
| Tucumcari (1). | Quay. | 4,194 | 5 | 31.0 | | 105 | 11 | 62 | 1 | 35 | 2.03 | - 0.64 | 0.00 | 0.0 | 5 | 3 | 27 | 1 | sw. |
| Tucumcari (2). | do. | 4,194 | | | | | | | | | 1.90 | - 0.73 | 0.00 | 0.0 | 10 | 5 | 13 | 13 | w. |
| Vermijo Park. | Colfax. | 7,600 | 6 | 64.4 | | 91 | 11 | 43 | 18 | 44 | 4.53 | - 1.10 | 0.00 | 0.0 | 12 | 12 | 15 | 6 | s. |
| Wagon Mound (near). | Mora. | 6,300 | 1 | 70.6 | | 96 | 11 | 48 | 28 | 43 | 3.48 | - 1.13 | 0.00 | 0.0 | | | | | |

TABLE 1.—*Climatological data for July, 1909. District No. 7—Continued.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | Precipitation, in inches. | | | | | Sky. | Prevailing wind direction. | Observers. | | | | | |
|-------------------|-------------|------------------|------------------------|-------------------------------------|----------------------------|----------|-------|---------|---------------------------|-----------------------|--------|----------------------------|-----------------------|--------------------------|-----------------------------------------|-----------------------|-------------------------------|------------------------|--------------|------------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number of rainy days, 0.1 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| Texas—Cont'd. | Ochiltree. | 1 | | | | | | | | | | | | | | | | | | | |
| Pampa. | Gray. | 3,226 | 20 | 77.4 | 97 | 31 | 60 | 23 | 30 | 3.50 | 0.95 | 0.0 | 5 | 6 | 18 | 2 | 11 | s. | S. J. Allen. | | |
| Paris. | Lamar. | 593 | 20 | 86.8 | + 4.0 | 105 | 9† | 68 | 24 | 32 | 0.48 | - 3.09 | 0.48 | 0.0 | 1 | 9 | 22 | 3 | 6 | s. | B. E. Finley. |
| Plemons. | Hutchinson. | 2 | 20 | 78.2 | ..... | 99 | 31 | 53 | 13 | 42 | 2.76 | 1.82 | 0.0 | 5 | 23 | 3 | 5 | 5 | s. | N. O. Enloe. | |
| Quanah. | Hardeman. | 1,563 | 4 | 84.4 | ..... | 106 | 12† | 61 | 23† | 41 | 1.57 | 0.70 | 0.0 | 1 | 12 | 9 | 10 | 5 | s. | C. S. Solomon. | |
| Sherman. | Grayson. | 745 | 16 | 86.6 | + 3.8 | 102 | 9 | 69 | 21† | 26 | 0.12 | - 4.71 | 0.12 | 0.0 | 1 | 12 | 9 | 10 | 5 | s. | E. E. Miller. |
| Sulphur Springs. | Hopkins. | 530 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | s. | R. A. Gibbs. | |
| Terlingua. | Dallam. | 4,694 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | s. | W. B. Baxter. | |
| Tulia. | Swisher. | 3,501 | 11 | 79.2 | + 2.9 | 100 | 11† | 60 | 18 | 35 | 3.17 | - 1.77 | 1.38 | 0.0 | 5 | 0 | 31 | 0 | 0 | se. | Agt. Ft. W. & D. C. Ry |
| Wichita Falls. | Wichita. | 958 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Lou Mulhall. | |
| Kansas. | | | | | | | | | | | | | | | | | | | | J. B. Nicholson. | |
| Anthony. | Harper. | 1,329 | 12 | 81.6 | ..... | 103 | 8 | 59 | 23† | 35 | 5.80 | + 1.89 | 1.94 | 0.0 | 9 | 10 | 16 | 5 | 5 | sw. | R. H. Beebe. |
| Ashland. | Clark. | 1,951 | 2 | 82.0 | + 1.9 | 108 | 28 | 57 | 18 | 39 | 2.69 | - 1.04 | 0.79 | 0.0 | 10 | 19 | 12 | 0 | 5 | s. | C. W. Carson. |
| Burlington. | Coffey. | 1,010 | 16 | 79.0 | + 0.9 | 99 | 3 | 55 | 24 | 33 | 7.97 | + 4.06 | 3.47 | 0.0 | 11 | 17 | 13 | 1 | 1 | s. | A. W. Maxwell. |
| Chanute. | Neosho. | 940 | 5 | 77.8 | - 1.4 | 97† | 10 | 58† | 25† | 32† | 6.48 | + 1.90 | 2.04 | 0.0 | 5 | 18 | 9 | 4 | 4 | s. | Chase W. Brown. |
| Cimarron. | Gray. | 2,700 | 3 | 79.3 | ..... | 102 | 28 | 55 | 13† | 39 | 2.00 | ..... | 1.02 | 0.0 | 5 | 0 | 18 | 0 | 0 | se. | Fred Mallonee. |
| Coldwater. | Comanche. | 2,090 | 11 | 81.0 | + 2.4 | 101 | 28 | 59 | 13† | 36 | 3.42 | - 0.31 | 1.59 | 0.0 | 8 | 22 | 9 | 0 | 0 | se. | J. L. Stanley. |
| Columbus. | Cherokee. | 898 | 19 | 80.0 | + 1.9 | 100 | 10 | 56 | 24 | 30 | 4.51 | - 0.73 | 1.82 | 0.0 | 11 | 23 | 6 | 2 | 2 | se. | O. E. Skinner. |
| Coolidge. | Hamilton. | 3,346 | 13 | 77.3 | + 0.7 | 96 | 4† | 57 | 13 | 33 | 5.57 | + 2.53 | 3.27 | 0.0 | 4 | 16 | 14 | 1 | 1 | se. | W. R. Padley. |
| Cottonwood Falls. | Chase. | 1,234 | 5 | 71.4 | ..... | 97 | 5† | 53 | 24 | 31 | 10.19 | + 5.58 | 3.40 | 0.0 | 14 | 22 | 4 | 5 | 5 | s. | E. B. Greene. |
| Council Grove. | Morris. | 1,191 | 2 | 77.7 | ..... | 99 | 3 | 54 | 24† | 39 | 10.34 | ..... | 5.05 | 0.0 | 9 | 23 | 3 | 6 | 6 | s. | Geo. W. Cleek, jr. |
| Cunningham. | Kingman. | 1,680 | 21 | 81.0 | + 2.9 | 102 | 31 | 53 | 23 | 39 | 2.50 | - 1.16 | 1.10 | 0.0 | 5 | 14 | 16 | 1 | 1 | se. | W. H. Morton. |
| Dodge City. | Ford. | 2,513 | 35 | 79.5 | + 1.8 | 100 | 28 | 60 | 23 | 36 | 2.93 | - 0.45 | 0.92 | 0.0 | 10 | 14 | 15 | 2 | 3 | s. | U. S. Weather Bureau. |
| El Dorado. | Butler. | 1,291 | 7 | 79.0 | + 0.2 | 98 | 5† | 57 | 24 | 34 | 3.65 | + 0.77 | 0.95 | 0.0 | 9 | 27 | 3 | 1 | 1 | s. | W. Y. Miller. |
| Ellinwood. | Barton. | 1,788 | 15 | 79.7 | + 2.2 | 100 | 5 | 55 | 23 | 36 | 4.35 | + 0.78 | 1.29 | 0.0 | 14 | 4 | 26 | 1 | 1 | se. | Martin Musil. |
| Emporia. | Lyon. | 1,138 | 25 | 77.5 | - 0.8 | 96 | 5† | 53 | 23 | 27 | 9.85 | + 6.10 | 2.97 | 0.0 | 15 | 15 | 14 | 3 | 3 | s. | W. H. Boyles. |
| Eureka. | Greenwood. | 1,063 | 11 | 78.6 | ..... | 97 | 7† | 56 | 24 | 32 | 5.56 | + 0.86 | 1.30 | 0.0 | 12 | 21 | 7 | 3 | 3 | s. | T. C. Peffer. |
| Fall River. | do. | 925 | 13 | 79.2 | + 1.1 | 98 | 7† | 56 | 23† | 34 | 6.42 | + 0.57 | 3.40 | 0.0 | 9 | 22 | 9 | 0 | 0 | se. | J. McDaniel. |
| Fargo. | Seward. | 864 | 6 | 79.2 | + 1.7 | 97 | 9 | 57† | 23 | 33† | 5.16 | 0.67 | 0.0 | 0.0 | 3 | 12 | 9 | 0 | 0 | se. | Frank Swink. |
| Fredonia. | Wilson. | 2,833 | 15 | 77.9 | + 0.5 | 98 | 4† | 58 | 12† | 36 | 6.22 | + 3.12 | 1.87 | 0.0 | 7 | 19 | 11 | 1 | 1 | s. | B. F. Stocks. |
| Garden City. | Finney. | 816 | 37 | 80.4 | - 0.3 | 99 | 8† | 58 | 23† | 29 | 3.67 | - 0.68 | 1.26 | 0.0 | 9 | 18 | 8 | 6 | 6 | s. | J. A. Pritchard. |
| Great Bend. | Barton. | 1,850 | 2 | 79.4 | + 0.5 | 95 | 3 | 58 | 24 | 27 | 5.15 | + 1.23 | 1.78 | 0.0 | 11 | 13 | 14 | 4 | 4 | se. | C. C. Raymond. |
| Greensburg. | Kiowa. | 2,235 | 3 | 103 | 28 | 54 | 23 | 36 | 2.00 | ..... | 0.84 | 0.0 | 9 | 30 | 1 | 0 | 0 | 0 | s. | R. M. Lawyer. | |
| Grenola. | Elk. | 1,116 | 22 | 78.6 | + 0.7 | 99 | 8 | 56 | 24 | 31 | 5.73 | + 2.14 | 1.89 | 0.0 | 8 | 20 | 9 | 2 | 2 | s. | J. W. Ebey. |
| Howard. | Stevens. | 1,113 | 2 | 78.4 | ..... | 102 | 21 | 53 | 13† | 38 | 2.31 | - 1.18 | 0.80 | 0.0 | 4 | 24 | 0 | 7 | 7 | s. | J. A. Firmin. |
| Hugoton. | Reno. | 1,535 | 19 | 79.0 | + 1.7 | 97 | 5† | 56 | 23† | 35 | 4.52 | + 0.30 | 1.22 | 0.0 | 13 | 17 | 12 | 2 | 2 | s. | E. S. Webster. |
| Independence. | Montgomery. | 816 | 37 | 80.4 | - 0.3 | 99 | 8† | 58 | 23† | 29 | 3.67 | - 0.68 | 1.26 | 0.0 | 9 | 18 | 8 | 6 | 6 | s. | J. M. Altaffer. |
| Iola. | Allen. | 984 | 3 | 78.6 | + 0.5 | 95 | 3 | 58 | 24 | 27 | 5.15 | + 1.23 | 1.78 | 0.0 | 9 | 9 | 22 | 0 | 0 | se. | U. S. Weather Bureau. |
| Jetmore. | Hodgeman. | 2,268 | 8 | 78.6 | + 1.7 | 101 | 29 | 55 | 23 | 35 | 4.83 | + 1.94 | 1.20 | 0.0 | 11 | 13 | 14 | 4 | 4 | se. | James Aikin. |
| Kingman. | Kingman. | 1,504 | 1 | 80.8 | ..... | 101 | 29 | 53 | 23 | 39 | 1.77 | 0.68 | 0.0 | 0.0 | 8 | 11 | 10 | 0 | 0 | sw. | B. B. Anawalt. |
| La Crosse. | Rush. | 2,061 | 7 | 78.4 | ..... | 104† | 21 | 51 | 23 | 37 | 4.42 | + 0.87 | 1.07 | 0.0 | 13 | 9 | 13 | 2 | 2 | se. | Rodney Torrey. |
| Lakin. | Kearney. | 2,923 | 19 | 79.0 | + 1.3 | 103 | 3 | 54 | 13 | 42 | 3.77 | + 1.60 | 2.10 | 0.0 | 6 | 22 | 9 | 0 | 0 | se. | C. H. Longstreth. |
| Larned. | Pawnee. | 2,090 | 5 | 80.4 | + 3.9 | 102 | 5† | 52 | 23 | 38 | 2.10 | - 2.03 | 0.61 | 0.0 | 12 | 17 | 14 | 0 | 0 | se. | H. H. Wolcott. |
| Lebo. | Coffey. | 1,138 | 23 | 76.8 | - 1.5 | 94 | 5† | 58 | 23 | 25 | 12.75 | + 8.60 | 3.57 | 0.0 | 15 | 16 | 12 | 3 | 3 | s. | J. Bowmam. |
| Le Roy. | do. | 990 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13.03 | ..... | 8.20 | 0.0 | 13 | 21 | 4 | 6 | 6 | s. | F. W. Schmitt. |
| Liberal. | Seward. | 2,843 | 2 | 78.8 | + 0.9 | 104 | 28 | 50 | 23 | 37 | 2.83 | - 0.19 | 1.20 | 0.0 | 8 | 15 | 7 | 9 | 9 | s. | R. T. Nichols. |
| Macksville. | Stafford. | 2,032 | 16 | 78.8 | + 0.9 | 104 | 28 | 50 | 23 | 37 | 2.83 | - 0.19 | 1.20 | 0.0 | 8 | 15 | 7 | 9 | 9 | s. | Mrs. Nelia Poling. |
| McPherson. | McPherson. | 1,495 | 19 | 79.2 | + 0.6 | 99 | 29 | 56 | 23 | 34 | 6.14 | + 1.90 | 1.22 | 0.0 | 12 | 15 | 9 | 10 | 0 | se. | Ed. F. Haberlein. |
| Madison. | Greenwood. | 1,074 | 8 | 77.6 | + 0.2 | 98 | 30 | 53 | 24 | 30 | 9.79 | + 4.58 | 3.44 | 0.0 | 12 | 1 | 30 | 0 | 0 | se. | C. A. David. |
| Marion. | Marion. | 1,310 | 15 | 79.0 | - 1.4 | 98 | 5† | 57 | 23 | 28 | 9.32 | + 6.38 | 3.60 | 0.0 | 13 | 8 | 23 | 0 | 0 | se. | D. D. McIntosh. |
| Medicine Lodge. | Barber. | 1,475 | 16 | 81.4 | + 1.3 | 103 | 5† | 52 | 23 | 40 | 2.15 | - 0.34 | 1.21 | 0.0 | 11 | 12 | 10 | 0 | 0 | se. | S. P. Garrison. |
| Medora. | Reno. | 1,480 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.44 | ..... | 1.12 | 0.0 | 10 | 23 | 6 | 6 | 6 | s. | M. L. Rickenbrode. |
| Mt. Hope. | Sedgwick. | 1,410 | 12 | 78.8 | ..... | ..... | ..... | ..... | ..... | ..... | 2.95 | - 0.46 | 0.71 | 0.0 | 11 | 18 | 12 | 1 | 1 | s. | H. N. Renfrew. |
| Neosho Rapids. | Lyon. | 1,092 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11.21 | ..... | 3.00 | 0.0 | 13 | 18 | 4 | 8 | 8 | s. | J. E. McLeod. |
| New City. | Ness. | 2,260 | 12 | 79.6 | + 1.4 | 98 | 6† | 56 | 23 | 36 | 2.00 | - 1.56 | 0.75 | 0.0 | 5 | 15 | 15 | 1 | 1 | s. | J. K. Baird. |
| Newton. | Harvey. | 1,454 | 12 | 79.0 | ..... | ..... | ..... | ..... | ..... | ..... | 6.27 | + 2.88 | 1.26 | 0.0 | 12 | 15 | 15 | 1 | 1 | s. | C. F. Walden. |
| Norwich. | Kingman. | 1,498 | 13 | 82.2 | + 3.7 | 100 | 5† | 58 | 23 | 34 | 2.73 | - 0.49 | 1.40 | 0.0 | 9 | 6 | 25 | 0 | 0 | se. | N. I. Farris. |
| Oswego. | Labette. | 899 | 18 | 80.8 | + 1.5 | 98 | 9† | 59 | 24 | 32 | 3.49 | - 1.09 | 1.61 | 0.0 | 11 | 15 | 15 | 1 | 1 | s. | Jas. M. Curran. |
| Pratt. | Pratt. | 1,950 | 14 | 77.9 | + 0.2 | 101† | 31 | 56 | 13 | 35† | 4.48 | + 1.21 | 0.91 | 0.0 | 11 | 11 | 11 | 7 | 7 | s. | E. H. Ellsworth. |
| Rome. | Summer. | 1,218 | 12 | 80.0* | + 1.1 | 100 | 8† | 56 | 23† | 37* | 7.27 | + 4.16 | 3.20 | 0.0 | 9 | 13 | 7 | 24 | 0 | se. | D. M. Adams. |
| Sedan. | Chautauqua. | 834 | 24 | 80.2 | + 0.9 | 100 | 8† | 56 | 24 | 32 | 4.98 | + 1.29 | 1.79 | 0.0 | 8 | 16 | 8 | 0 | 0 | se. | A. Y. Buckles. |
| Toronto. | Woodson. | 1,040 | 12 | 79.2 | + 1.6 | 99 | 9 | 57 | 23 | 33 | 5.75 | + 0.39 | 2.10 | 0.0 | 13 | 15 | 3 | 13 | 0 | s. | T. W. Marshall. |
| Ulysses. | Crawford. | 3,027 | 15 | 80.8 | + 3.3 | 97 | 30 | 61 | 22 | 31 | 3.82 | - 1.78 | 1.26 | 0.0 | 8 | 23 | 8 | 0 | 0 | | |

TABLE 1.—*Climatological data for July, 1909. District No. 7—Continued.*

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | | |
|---------------------------|-----------------|------------------|------------------------|-------------------------------------|----------------------------|----------|-------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|--------------------------|--------------------------------------|-----------------------|-------------------------------|------------------------|------------------|------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmelted. | Number rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| Oklahoma—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Hennessey. | Kingfisher. | 1,166 | 15 | 83.0 | + 2.2 | 106 | 10 | 56 | 23 | 36 | 4.40 | + 0.30 | 1.47 | 0.0 | 7 | 10 | 20 | 1 | s. | W. W. Parks. |
| Hobart. | Kiowa. | 1,398 | 6 | 86.2 | + 5.9 | 108 | 14 | 64 | 23 | 36 | 3.47 | + 0.91 | 1.60 | 0.0 | 4 | 25 | 4 | 2 | s. | Roy Benedict. |
| Holdenville. | Hughes. | 900 | 9 | 84.2 | + 4.3 | 106 | 31 | 58 | 24 | 35 | 0.00 | - 3.20 | 0.00 | 0.0 | 0 | 28 | 3 | 0 | s. | Miss M. Rutherford. |
| Hooker. | Texas. | 2,999 | 4 | 78.4 | | 99 | 31 | 52 | 13 | 39 | 1.09 | | 0.60 | 0.0 | 5 | 9 | 5 | 17 | s. | C. W. Myers. |
| Hurley. | Cimarron. | 1 | 78.0 | | | 105 | 11 | 54 | 12 | 41 | 2.54 | | 1.20 | 0.0 | 5 | 14 | 10 | 7 | sw. | Dr. W. McCaskill. |
| Idabel. | McCurtain. | 474 | 3 | | | | | | | | | | | | | | | | | J. M. Maddy. |
| Jefferson. | Grant. | 1,083 | 16 | 83.2 | + 2.3 | 103 | 8 | 56 | 23 | 37 | 6.07 | + 2.61 | 3.58 | 0.0 | 8 | 22 | 9 | 0 | s. | L. A. Wilkoff. |
| Kenton. | Cimarron. | 4,000 | 10 | 78.0 | + 2.1 | 101 | 11 | 57 | 23 | 37 | 2.44 | + 0.37 | 0.85 | 0.0 | 8 | 21 | 9 | 1 | s. | J. C. Cross. |
| Kingfisher. | Kingfisher. | 1,046 | 12 | 84.4 | + 3.5 | 106 | 10 | 58 | 23 | 35 | 1.65 | - 1.92 | 0.93 | 0.0 | 6 | 20 | 9 | 2 | s. | Wm. Noble. |
| McAlester. | Pittsburg. | 698 | 17 | 85.2 | + 3.4 | 106 | 31 | 58 | 24 | 35 | 1.48 | - 3.03 | 1.48 | 0.0 | 1 | 24 | 4 | 3 | s. | Jas. E. McNair. |
| McComb. | Pottawatomie. | 1,200 | 15 | 84.8 | + 5.3 | 103 | 31 | 58 | 24 | 34 | 2.84 | - 0.32 | 2.60 | 0.0 | 2 | 16 | 15 | 0 | s. | Wade N. Johnson. |
| Mangum. | Greer. | 1,553 | 17 | 85.8 ^a | + 4.1 | 106 | 10 | 60 | 4 | 39 | 0.37 | - 2.25 | 0.37 | 0.0 | 1 | 30 | 1 | 0 | s. | W. B. Anthony. |
| Marlow. | Stephens. | 1,203 | 9 | 84.4 ^a | + 4.0 | 106 | 31 | 64 | 24 | 31 | 0.31 | - 1.96 | 0.13 | 0.0 | 0 | 21 | 1 | 8 | s. | Dr. John H. Baugh. |
| Meeker. | Lincoln. | 1,030 | 16 | 83.8 | + 3.3 | 106 | 31 | 52 | 24 | 41 | 1.07 | - 1.86 | 0.70 | 0.0 | 3 | 27 | 2 | 2 | s. | Prof. E. N. Collette. |
| Muskogee ^a . | Muscookee. | 614 | 11 | 84.2 | + 5.5 | 106 | 30 | 61 | 23 | 38 | 1.25 | - 2.47 | 1.25 | 0.0 | 1 | 22 | 6 | 2 | s. | Thos. Martin. |
| Mutual. | Woodward. | 3 | 83.6 | | | 106 | 10 | 62 | 24 | 38 | 1.40 | | 0.84 | 0.0 | 3 | 23 | 5 | 3 | s. | R. M. Schooling. |
| Neelo. | Caddo. | 1,500 | 4 | 84.8 | | 104 | 10 | 59 | 24 | 36 | 0.47 | | 0.35 | 0.0 | 2 | 18 | 13 | 0 | sw. | P. H. Allright & Co. |
| Newkirk. | Kay. | 1,149 | 13 | 84.0 | + 3.6 | 106 | 8 | 55 | 14 | 43 | 6.56 | + 3.18 | 2.00 | 0.0 | 8 | 17 | 11 | 3 | sw. | Walter H. Meier. |
| Norman. | Cleveland. | 1,171 | 16 | 84.4 | + 4.1 | 104 | 15 | 65 | 21 | 32 | 1.77 | - 1.54 | 0.85 | 0.0 | 7 | 17 | 12 | 2 | sw. | Dr. L. H. Murdoch. |
| Okemah. | Blaine. | 1,194 | 6 | 84.9 ^b | + 4.9 | 106 | 8 | 58 ^c | 13 | 40 | 2.42 | - 0.49 | 1.17 | 0.0 | 7 | 19 | 9 | 1 | s. | U. S. Weather Bureau. |
| Oklahoma. | Oklahoma. | 1,247 | 20 | 83.3 | + 3.5 | 102 | 14 | 62 | 23 | 33 | 1.35 | - 2.30 | 0.92 | 0.0 | 4 | 18 | 8 | 5 | s. | J. L. Maynard. |
| Okmulgee ^b . | Okmulgee. | 752 | 7 | 81.0 | + 2.0 | 100 | 31 | 56 | 24 | 31 | 1.40 | - 2.63 | 0.88 | 0.0 | 5 | 24 | 6 | 1 | s. | H. M. Loomer. |
| Pauls Valley. | Garyn. | 880 | 10 | 85.5 | + 5.4 | 107 | 31 | 56 | 24 | 39 | 1.13 | - 2.50 | 0.81 | 0.0 | 2 | 25 | 5 | 1 | s. | A. M. Foss. |
| Pawhuska. | Osage. | 918 | 11 | | | | | | | | | | | | | | | | | J. A. Douglas. |
| Perry. | Noble. | 1,060 | 12 | 83.4 | + 2.4 | 105 | 12 | 56 | 23 | 37 | 5.09 | + 2.51 | 2.18 | 0.0 | 8 | 19 | 10 | 2 | s. | R. G. Guttill. |
| Ravia. | Johnson. | 798 | 8 | 86.7 | + 6.2 | 108 | 14 | 64 | 24 | 34 | 0.62 | - 3.14 | 0.56 | 0.0 | 2 | 27 | 2 | 2 | s. | D. J. Henderson. |
| Sac and Fox Agency. | Canadian. | 900 | 17 | 81.0 ^a | + 1.0 | 100 | 31 | 55 ^c | 6 | 39 | 4.11 | + 0.93 | 2.45 | 0.0 | 3 | 17 | 5 | 0 | se. | Neal R. Clark. |
| Shawnee. | Pottawatomie. | 1,041 | 9 | 84.0 | + 2.7 | 104 | 10 | 57 | 24 | 35 | 0.91 | - 1.87 | 0.65 | 0.0 | 5 | 21 | 5 | 5 | s. | Dr. W. G. Woodard. |
| Snyder ^a . | Kiowa. | 1,356 | 3 | 85.4 | | 103 | 11 | 68 | 17 | 30 | 0.04 | | 0.04 | 0.0 | 1 | 20 | 7 | 1 | s. | John M. Speidel. |
| Stillwater. | Payne. | 880 | 17 | 82.7 | + 3.1 | 102 | 12 | 56 | 24 | 33 | 4.13 | + 0.75 | 2.45 | 0.0 | 9 | 23 | 6 | 2 | s. | A. H. Trimbo. |
| Supply. | Woodward. | 925 | 6 | 82.8 | | 104 | 31 | 53 | 13 | 42 | 2.03 | | 0.70 | 0.0 | 7 | 21 | 10 | 0 | s. | G. F. Fitch. |
| Temple. | Comanche. | | | | | | | | | | | | | | | | | | | William Hall. |
| Tusia (1). | Tusia. | 700 | 21 | | | | | | | | | | | | | | | | | Miss Pearl E. Towers. |
| Tusia (2). | Tusia. | 702 | 5 | 82.5 | + 3.3 | 103 | 9 | 60 | 24 | 33 | 4.12 | + 0.83 | 1.50 | 0.0 | 6 | 18 | 6 | 7 | s. | Lyman Bros. |
| Vinita ^b . | Craig. | 698 | 6 | 81.6 | + 3.9 | 103 | 9 | 56 | 23 | 35 | 3.78 | - 0.01 | 1.35 | 0.0 | 5 | 14 | 12 | 3 | s. | S. L. Hatfield. |
| Waggoner. | Waggoner. | 588 | 13 | 84.2 | + 3.4 | 104 | 9 | 56 | 24 | 38 | 2.15 | - 3.10 | 1.03 | 0.0 | 5 | 17 | 6 | 3 | s. | R. C. Shadess. |
| Waukomis. | Garfield. | 1,258 | 13 | 83.2 | + 2.1 | 106 | 12 | 59 | 24 | 33 | 3.91 | - 0.35 | 1.73 | 0.0 | 8 | 19 | 11 | 1 | s. | M. D. Reed. |
| Weatherford. | Custer. | 1,639 | 8 | 86.0 | + 5.9 | 107 | 10 | 64 | 23 | 34 | 0.82 | - 1.52 | 0.51 | 0.0 | 4 | 23 | 7 | 1 | s. | B. D. Boulineau. |
| Webberville Falls. | Muskogee. | 479 | 11 | 83.2 | + 3.4 | 103 | 13 | 60 | 22 | 33 | 2.27 | - 1.72 | 2.00 | 0.0 | 3 | 16 | 13 | 2 | s. | J. M. Dankwardt. |
| Whiteagle. | Key. | 945 | 4 | 82.5 | + 3.5 | 101 | 12 | 59 | 24 | 31 | 5.11 | + 0.55 | 2.50 | 0.0 | 9 | 19 | 10 | 2 | s. | R. A. Boyle. |
| Woodward. | Woodward. | 1 | 82.5 | | | 104 | 31 | 53 | 13 | 45 | 1.84 | | 0.86 | 0.0 | 3 | 24 | 7 | 0 | s. | A. J. Wofford. |
| Missouri. | Maries. | 17 | 76.6 | - 0.3 | | 93 | 31 | 53 | 20 | 37 | 2.83 | - 1.56 | 1.33 | 0.0 | 4 | 7 | 20 | 3 | s. | V. H. Kirkendall. |
| Birchtree ^a . | Shannon. | 1,200 | 15 | 76.9 | + 0.8 | 93 | 21 | 56 | 20 | 33 | 6.01 | + 1.47 | 1.98 | 0.0 | 6 | 22 | 4 | 3 | sw. | D. L. Albert. |
| Cape Girardeau. | Cape Girardeau. | 346 | 4 | 79.8 | + 0.5 | 98 | 31 | 59 | 24 | 34 | 6.57 | + 3.03 | 2.50 | 0.0 | 7 | 26 | 1 | 4 | e. | H. E. Averill. |
| Caruthersville. | Pemiscot. | 18 | 80.2 | + 2.9 | 99 | 29 | 52 | 24 | 35 | 2.37 | - 1.95 | 0.71 | 0.0 | 7 | 24 | 1 | 2 | s. | H. E. Dean. | |
| Dean ^a . | McDonald. | 440 | 5 | 77.0 | | 94 | 2 | 56 | 20 | 31 | 9.55 | + 3.93 | 2.18 | 0.0 | 8 | 30 | 5 | 6 | sw. | W. W. Martin. |
| Doniphan. | Ripley. | 889 | 2 | | | 95 | 6 | 53 | 24 | 35 | 4.42 | | | | 11 | 15 | 11 | 5 | ne. | Miss Helen Montgomery. |
| Farmington. | St. Francois. | 5 | 76.4 | | | 96 | 2 | 57 | 20 | 32 | 1.14 | | | | 11 | 15 | 11 | 5 | ne. | A. C. Leech. |
| Goodland ^a . | Iron. | 900 | 4 | 74.4 | | 92 | 21 | 49 | 20 | 30 | 4.55 | | | | 7 | 21 | 1 | 8 | se. | F. M. Adams. |
| Greenville. | Wayne. | 14 | 79.2 | + 1.5 | 97 | 31 | 52 | 24 | 41 | 2.14 | - 1.57 | 1.20 | 0.0 | 5 | 17 | 12 | 2 | s. | A. G. Templeton. | |
| Ironton. | Iron. | 925 | 11 | 76.6 | + 1.1 | 97 | 3 | 46 | 20 | 45 | 2.08 | - 1.95 | 1.05 | 0.0 | 8 | 11 | 12 | 3 | s. | W. H. Delano. |
| Jackson. | Cape Girardeau. | 458 | 18 | 79.0 | + 2.8 | 100 | 2 | 55 | 24 | 37 | 3.99 | + 0.60 | 1.20 | 0.0 | 8 | 17 | 9 | 5 | n. | L. M. Bean. |
| Joplin. | Jasper. | 979 | 30 | | | 96 | 29 | 58 | 20 | 36 | 6.00 | + 2.08 | 1.82 | 0.0 | 7 | 19 | 7 | 5 | se. | Miss Elizabeth Russum. |
| Koshkonong. | Oregon. | 911 | 9 | 78.2 | | 96 | 29 | 58 | 20 | 36 | 6.00 | + 2.08 | 1.82 | 0.0 | 7 | 19 | 7 | 5 | se. | J. W. Hitt. |
| Lamar. | Barton. | 964 | 28 | 79.7 | + 1.7 | 97 | 30 | 56 | 24 | 31 | 4.33 | - 0.13 | 2.24 | 0.0 | 8 | 17 | 6 | 8 | se. | E. H. Adams. |
| Marble Hill. | Bollinger. | 430 | 16 | 77.6 | + 0.8 | 96 | 2 | 54 | 24 | 35 | 4.15 | - 1.06 | 1.70 | 0.0 | 5 | 19 | 9 | 3 | sw. | A. F. Hendricks. |
| Marshfield ^a . | Webster. | 1,492 | 77.1 | | | 94 | 13 | 51 | 24 | 42 | 7.38 | | | | 10 | 11 | 7 | 9 | sw. | O. P. Keeler. |
| Mt. Vernon. | Lawrence. | 1,490 | 33 | 77.8 | + 0.2 | 94 | 30 | 52 | 24 | 32 | 6.70 | + 1.35 | 2.00 | 0.0 | 11 | 11 | 20 | 0 | ne. | Dr. O. H. Brown. |
| Neosho. | Newton. | 1,023 | 25 | 79.1 | + 1.7 | 97 | 9 | 51 | 24 | 39 | 4.40 | + 0.06 | 1.13 | 0.0 | 10 | 26 | 3 | 2 | s. | H. D. Dean. |
| Oakfield. | Franklin. | 793 | 17 | 76.6 | - 0.9 | 95 | 2 | 54 | 4 | 30 | 9.00 | + 4.47 | 2.89 | 0.0 | 13 | 8 | 17 | 6 | s. | E. E. Steiner. |
| Olden. | Howell. | 1,246 | 19 | 74.8 | - 1.5 | 94 | 6 | 54 | 20 | 43 | 2.97 | - 1.13 | 0.75 | 0.0 | 6 | 20 | 8 | 3 | sw. | S. L. Cayton. |
| Perryville. | Perry. | 582 | 1 | | | | | | | | | | | | | | | | | E. C. Thomas. |
| Poplar Bluff. | Butler. | 343 | | | | | | | | | | | | | | | | | | A. A. Harrison. |
| Sikeston. | Scott. | 328 | 14 | 79.2 | + 1.2 | 98 | 2 | 57 | 20 | 32 | 5.77 | + 1.44 | 2.80 | 0.0 | 7 | 19 | 6 | 6 | sw. | U. S. Weather Bureau. |
| Springfield. | Greene. | 1,350 | 22 | 76.8 | + 0.4 | 92 | 12 | 59 | 23 | 37 | 5.61 | + 4.72 | 6.55 | 0.0 | | | | | | |

TABLE I.—Climatological data for July, 1909. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | | |
|------------------|---------------|------------------|------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|-------------------------|-----------------------------------------|-----------------------|-------------------------------|------------------------|------------------------|-------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| Arkansas—Cont'd. | | | | | | | | | | | | | | | | | | | | |
| Calico Rock. | Izard. | 361 | 5 | 83.2 | + 2.1 | 101 | 14 | 61 | 25 | 28 | 2.16 | - 3.02 | 0.68 | 0.0 | 6 | 22 | 5 | 4 | sw. | W. H. Stoner. |
| Camden. | Ouachita. | 158 | 24 | 84.6 | + 2.4 | 103 | 31 | 65 | 24† | 29 | 2.37 | - 1.62 | 0.0 | 0 | 3 | 19 | 11 | 1 | sw. | R. H. Quarterman. |
| Centerpoint. | Howard. | 171 | 5 | Monroe. | | | | | | | 1.31 | - 0.73 | 0.0 | 0 | 6 | | | | | J. M. Huddleston. |
| Clarendon. | Faulkner. | 309 | 26 | 82.8 | + 2.4 | 103 | 28 | 60 | 24 | 33 | 1.93 | - 1.64 | 0.53 | 0.0 | 8 | 15 | 14 | 2 | s. | Mrs. B. E. Bishop. |
| Conway. | Clay. | 293 | 17 | 79.7 | + 0.8 | 94 | 29 | 59 | 20† | 30 | 6.10 | + 2.87 | 2.15 | 0.0 | 9 | 17 | 11 | 3 | s. | G. H. Burr. |
| Dardanelle. | Yell. | 330 | 23 | | | | | | | | 1.14 | - 3.08 | 1.00 | 0.0 | 2 | | | | | Jacob Brobst. |
| Dodd City. | Marion. | 1,175 | 28 | 79.6 | - 0.4 | 99 | 29 | 54 | 24 | 37 | 2.02 | - 2.96 | 0.85 | 0.0 | 5 | 7 | 19 | 5 | s. | A. Bernard. |
| Dutton. | Madison. | 8 | 77.6 | | | 102 | 9 | 52 | 24 | 38 | 2.90 | | 1.91 | 0.0 | 3 | 15 | 16 | 0 | s. | Neal Dodd. |
| Earl. | Crittenden. | 3 | | | | | | | | | | | | | | | | | T. S. Williamson. | |
| Eldorado. | Union. | 265 | 5 | 83.3 | | 99 | 14 | 64 | 25 | 27 | 2.09 | | 1.53 | 0.0 | 7 | 20 | 1 | 10 | sw. | W. J. Moss. |
| England. | Lafayette. | 3 | 83.0 | | | 100 | 28 | 61 | 23 | 32 | 1.89 | | 1.25 | 0.0 | 3 | 13 | 18 | 2 | sw. | Fred A. Babb. |
| Eureka Springs. | Carroll. | 8 | 81.1 | | | 103 | 29 | 54 | 21 | 36 | 1.44 | | 1.08 | 0.0 | 4 | 22 | 7 | 2 | | J. C. Chenault. |
| Fayetteville. | Washington. | 1,451 | 20 | 80.8 | + 3.4 | 99 | 9 | 55 | 21† | 37 | 1.12 | - 3.69 | 0.67 | 0.0 | 5 | 26 | 5 | 0 | sw. | Jas. T. Pomeroy. |
| Fort Smith. | Sebastian. | 431 | 27 | 83.2 | + 2.2 | 100 | 30 | 65 | 24 | 27 | 2.74 | - 1.10 | 2.37 | 0.0 | 4 | 21 | 8 | 2 | e. | University of Arkansas. |
| Fulton. | Hempstead. | 264 | 5 | | | | | | | | | | | | | | | | B. C. Logan. | |
| Hardy. | Sharp. | 643 | 11 | 78.4 | | 98 | 3 | 58 | 24† | 31 | 6.94 | + 2.84 | 4.25 | 0.0 | 8 | 13 | 16 | 2 | se. | C. A. Caywood. |
| Helena (1). | Phillip. | 132 | 24 | 81.8 | + 0.4 | 98 | 29 | 65 | 18† | 26 | 0.65 | - 3.37 | 0.36 | 0.0 | 4 | 23 | 2 | 4 | w. | Robert Kyle. |
| Helena (2). | do. | 182 | 8 | | | | | | | | | | | | | | | | B. F. Modisett. | |
| Hot Springs. | Garland. | 600 | 3 | 82.0 | | 101 | 30 | 60 | 23 | 32 | 3.59 | - 1.55 | 2.00 | 0.0 | 6 | 24 | 6 | 1 | w. | Hot Springs Water Co. |
| Huttig. | Union. | 85 | 2 | 84.0* | | 99 | 9 | 68* | 25 | 28* | 3.33 | | 2.41 | 0.0 | 5 | 13 | 12 | 6 | se. | C. A. Berry. |
| Jonesboro. | Craighead. | 345 | 14 | 80.6 | - 0.2 | 101 | 29 | 59 | 20† | 38 | 2.70 | - 1.90 | 2.10 | 0.0 | 5 | 13 | 12 | 6 | sw. | Benedictine Sisters. |
| Junction. | Union. | 16 | 84.2 | + 3.6 | 101 | 9 | 68 | 31 | 28 | 2.81 | - 1.05 | 1.27 | 0.0 | 5 | | | | | J. A. Lowderback. | |
| Lacrosse. | Izard. | 15 | | | | | | | | | | | | | | | | | R. E. Kennard. | |
| Lake Farm. | Jefferson. | 195 | 2 | 83.8 | | 101 | 14 | 63 | 24 | 30 | 2.81 | | 1.70 | 0.0 | 4 | 26 | 5 | 0 | s. | R. H. Gillespie. |
| Lewisville. | Lafayette. | 282 | 6 | 84.7 | | 102 | 31 | 63 | 25 | 31 | 1.89 | | 0.75 | 0.0 | 7 | 20 | 9 | 2 | | F. W. Youmans. |
| Little Rock. | Pulaski. | 357 | 30 | 83.4 | + 1.8 | 98 | 31 | 66 | 20 | 28 | 1.23 | - 2.76 | 0.38 | 0.0 | 7 | 18 | 11 | 2 | sw. | U. S. Weather Bureau. |
| Lutherville. | Johnson. | 775 | 12 | 80.9 | + 2.1 | 101 | 29 | 57 | 21† | 36 | 1.77 | | 1.35 | 0.0 | 4 | 24 | 7 | 0 | sw. | Herman Hentschel. |
| McNeil. | Columbia. | 321 | 2 | 85.0 | | 103 | 9 | 61 | 25 | 34 | 3.47 | | 1.60 | 0.0 | 5 | 13 | 12 | 1 | sw. | L. A. Smith. |
| Malvern. | Hot Spring. | 277 | 23 | 82.8 | + 1.6 | 101 | 29 | 60 | 24 | 31 | 3.67 | + 0.69 | 1.50 | 0.0 | 6 | 14 | 8 | 9 | sw. | Miss L. C. Smith. |
| Mammoth Spring. | Fulton. | 5 | 77.4 | | | 94 | 6† | 54 | 20† | 34 | 6.58 | | 2.21 | 0.0 | 8 | 13 | 16 | 2 | | F. Wallack. |
| Marked Tree. | Poinssett. | | | | | | | | | | 2.67 | | 1.44 | 0.0 | 2 | | | | L. Smith. | |
| Mena. | Polk. | 1,100 | 23 | 81.5 | + 0.8 | 98 | 30 | 59 | 24 | 39 | 2.01 | - 2.82 | 1.35 | 0.0 | 3 | 23 | 8 | 0 | s. | D. H. Hopkins. |
| Mossdale. | Newton. | 16 | 77.2 | + 0.9 | 95 | 31 | 56 | 24 | 24 | 1.23 | - 4.45 | 0.70 | 0.0 | 3 | 24 | 5 | 2 | s. | Theo. Ober. | |
| Mount Nebo. | Yell. | 1,750 | 19 | | | | | | | | | | | | | | | | T. G. Church. | |
| Newport (1). | Jackson. | 231 | 25 | 82.6 | + 2.0 | 103 | 29 | 61 | 20† | 37 | 2.25 | - 0.86 | 1.10 | 0.0 | 3 | 23 | 3 | 5 | s. | Mrs. A. B. Hillhouse. |
| Newport (2). | do. | 231 | 0 | | | | | | | | | | | | | | | | A. V. Hughes. | |
| Osark. | Franklin. | 377 | 18 | 82.7 | + 0.4 | 100 | 9† | 62 | 25 | 28 | 3.53 | - 0.26 | 2.18 | 0.0 | 3 | 25 | 6 | 0 | e. | R. M. Adams. |
| Pine Bluff. | Jefferson. | 215 | 21 | 83.7 | + 1.3 | 103 | 31 | 62 | 24 | 32 | 1.69 | - 1.85 | 1.32 | 0.0 | 6 | 25 | 2 | 4 | sw. | J. H. Hudson. |
| Pocahontas. | Randolph. | 17 | 80.4 | + 1.0 | 99 | 59 | 54 | 24† | 31 | 6.17 | + 1.66 | 3.90 | 0.0 | 6 | 20 | 8 | 3 | | Benedictine Sisters. | |
| Pond. | Benton. | 1,250 | 12 | 79.0 | + 2.4 | 98 | 30 | 51 | 21† | 39 | 2.16 | - 3.62 | 0.64 | 0.0 | 7 | 10 | 19 | 2 | sw. | A. F. Stevens. |
| Portland. | Ashley. | 122 | 0 | 83.8 | | 100 | 29 | 64 | 24† | 32 | 2.52 | | 0.95 | 0.0 | 8 | 20 | 1 | 10 | s. | T. A. Corson. |
| Prascott. | Nevada. | 327 | 21 | 83.4 | + 1.5 | 100 | 9† | 64 | 25 | 26 | 3.37 | + 0.49 | 1.60 | 0.0 | 6 | 24 | 4 | 3 | se. | A. M. Ellsworth. |
| Princeton. | Dallas. | 287 | 8 | 83.0 | | 101 | 9† | 59 | 25 | 32 | 1.93 | | 0.80 | 0.0 | 6 | 19 | 10 | 2 | sw. | Capt. D. R. Feaster. |
| Rogers. | Benton. | 1,395 | 18 | 78.7 | + 1.8 | 97 | 29† | 54 | 21 | 36 | 1.68 | - 2.91 | 1.20 | 0.0 | 6 | 23 | 7 | 1 | s. | Carl A. Stark. |
| Russellville. | Pope. | 348 | 24 | 83.0 | + 1.7 | 104 | 8 | 62 | 24 | 30 | 1.45 | - 2.94 | 1.28 | 0.0 | 2 | 18 | 10 | 3 | n. | J. F. Hodges. |
| Spielerlyville. | Logan. | 1,050 | 12 | 83.9 | + 4.1 | 104 | 12 | 62 | 24 | 32 | 2.29 | - 1.54 | 2.29 | 0.0 | 1 | 23 | 6 | 3 | sw. | New Subiaco Abbey. |
| Springbank. | Miller. | 182 | 2 | | | | | | | | 1.96 | | 0.76 | 0.0 | 5 | | | | | G. Field. |
| Stuttgart. | Arkansas. | 495 | 23 | 82.0 | + 1.3 | 98 | 29† | 62 | 20† | 38 | 2.19 | - 2.55 | 0.75 | 0.0 | 6 | 25 | 6 | 0 | s. | H. A. Buerkle. |
| Texarkana. | Miller. | 332 | 25 | 85.0* | | 104 | 14 | 67 | 24 | 31 | 2.69 | - 0.40 | 1.84 | 0.0 | 3 | 22 | 3 | 6 | n. | W. B. Weeks. |
| Warren. | Bradley. | 304 | 14 | 83.3 | + 1.3 | 100 | 14 | 64 | 24 | 29 | 3.25 | - 0.56 | 1.40 | 0.0 | 5 | 9 | 17 | 5 | s. | W. J. Savage. |
| Whitecliffs. | Little River. | 206 | 5 | | | | | | | | | | | | | | | | John E. Payton. | |
| Wiggs. | Garland. | 16 | 81.2 | + 0.9 | 102 | 29† | 55 | 24 | 35 | 1.52 | - 4.34 | 0.73 | 0.0 | 3 | 17 | 14 | 0 | sw. | S. D. Jester. | |
| Wynne. | Cross. | 1 | 82.0 | | 102 | 29 | 59 | 20† | 31 | 1.04 | | 0.43 | 0.0 | 5 | 20 | 4 | 7 | se. | R. R. Poole. | |
| Anguilla. | Sharkey. | 1 | 84.0 | | | | | | | | | | | | | | | | E. W. Cook. | |
| Austin. | Tunica. | 200 | 13 | 81.6 | + 1.3 | 97 | 31 | 61 | 20 | 28 | 1.61 | - 1.55 | 1.45 | 0.0 | 3 | 23 | 7 | 1 | n. | J. H. Irvine. |
| Batesville. | Panola. | 230 | 22 | 82.7 | + 2.5 | 101 | 29† | 61 | 20† | 33 | 0.83 | - 3.56 | 0.30 | 0.0 | 5 | 26 | 0 | 5 | s. | J. M. Cox. |
| Byhalia. | Marshall. | 390 | | | | | | | | | | | | | | | | | Tallahatchie Dng. Com. | |
| Canton. | Madison. | 228 | 19 | 82.4 | + 1.8 | 98 | 4† | 61 | 25 | 33 | 1.85 | - 2.39 | 0.81 | 0.0 | 6 | 10 | 20 | 1 | sw. | Dr. G. W. Smith-Vaniz. |
| Clarkdale. | Coahoma. | 177 | 2 | 83.0 | | 99 | 51 | 63 | 20† | 33 | 1.69 | | 0.60 | 0.0 | 4 | 24 | 2 | 5 | sw. | J. F. Durham. |
| Coffeeville. | Yalobusha. | 430 | 21 | 80.0 | + 1.2 | 98 | 29 | 60 | 20† | 30 | 5.30 | + 0.09 | 3.88 | 0.0 | 7 | 18 | 13 | 0 | e. | Tallahatchie Dng. Com. |
| Corinth. | Panola. | 187 | | | | | | | | | | | | | | | | | Tallahatchie Dng. Com. | |
| Creashaw. | Lafayette. | | | | | | | | | | | | | | | | | | Do. | |
| Denmark. | Montgomery. | 10 | 83.2* | + 3.2 | 103 | 5 | 60 | 24† | 38* | 2.20 | - 2.62 | 1.60 | 0.0 | 2 | 22 | 6 | 2 | se. | W. H. Eskridge. | |
| Duck Hill. | Benton. | 222 | 23 | 82.4 | + 0.3 | 98 | 15 | 63 | 26 | 30 | 4.26 | - 0.96 | 2.33 | 0.0 | 9 | 11 | 17 | 3 | nw. | C. R. Knox. |
| Edwards. | Le Flore. | 435 | | | | | | | | | | | | | | | | | Tallahatchie Dng. Com. | |
| Emid. | Grenada. | 282 | 8 | 82.3 | + 2.1 | 97 | 15† | 60 | 25 | 33 | 3.83 | - 1.84 | 1.81 | 0.0 | 6 | 19 | 9 | 3 | sw. | T. L. Darden. |
| Fayette. | Washington. | 126 | 22 | 84.0 | + 2.2 | 101 | 5 | 61 | 24 | 30 | 3.00 | - 1.30 | 1.80 | 0.0 | 6 | 26 | 1 | 4 | se. | F. L. Harbison. |
| Greenville. | Hinds. | 140 | 9 | 83.6 | + 2.8 | 101 | 14† | 62 | 26 | 34 | 1.92 | - 3.62 | 1.52 | 0.0 | 6 | 15 | 13 | 3 | sw. | J. H. Stephen. |
| Greenwood. | Grenada. | 391 | 21 | 82.0 | + 1.8 | 99 | 29 | 60 | 20 | 31 | 2.84 | - 0.90 | 1.31 | 0.0 | 5 | 23 | 8 | 0 | w. | Tallahatchie Dng |

TABLE I.—Climatological data for July, 1909. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, yrs. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | | |
|----------------------|-------------------|------------------|------------------------|-------------------------------------|----------------------------|-----------------|-------|-----------------|-------|---------------------------|--------|----------------------------|-----------------------|-------------------------|-----------------------------------------|-----------------------|-------------------------------|------------------------|---------------------|------------------------------------------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall unmeted. | Number of rainy days, .01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| Louisiana. | | | | | | | | | | | | | | | | | | | | |
| Abbeville. | Vermilion. | 18 | 22 | 84.9 | + 3.6 | 101 | 15 | 70 | 31 | 25 | 4.16 | - 3.52 | 2.37 | 0.0 | 10 | 14 | 13 | 4 | sw. | Hon. C. J. Edwards. |
| Alexandria. | Rapides. | 77 | 21 | 85.0 | + 2.6 | 103 | 14 | 84 | 25 | 28 | 4.00 | - 1.78 | 1.35 | 0.0 | 18 | 15 | 3 | 13 | s. | Miss Nellie Graham. |
| Amité. | Tangipahoa. | 130 | 21 | 82.4 | + 1.2 | 99 | 4 | 84 | 25 | 27 | 7.58 | - 0.28 | 1.50 | 0.0 | 11 | 9 | 31 | 1 | s. | Miss Lula M. Wentz. |
| Baton Rouge. | E. Baton Rouge. | 35 | 20 | 81.2 | - 0.1 | 101 | 15 | 63 | 30 | 31 | 5.85 | - 0.68 | 1.20 | 0.0 | 14 | 21 | 1 | 9 | n. | Elmo M. Bott. |
| Burnside. | Ascension. | 20 | 9 | 84.9 ^b | 97 ^b | 71 ^b | 17 | 25 ^b | | | | | | | | | | | e. | C. S. McFarland. |
| Burwood. | Plaquemine. | 1 | 18 | 83.5 | + 1.1 | 93 | 7† | 71 | 30 | 17 | 2.83 | - 4.44 | 0.94 | 0.0 | 11 | 9 | 21 | 1 | ne. | Graham Myers. |
| Calhoun. | Ouachita. | 180 | 17 | 83.6 | + 2.4 | 101 | 14 | 80 | 25 | 34 | 1.29 | - 3.27 | 0.88 | 0.0 | 6 | 6 | 9 | 21 | 1 | N. L. Exp. Station. |
| Cameron. | Cameron. | 6 | 14 | 83.0 | + 1.2 | 95 | 16 | 70 | 20 | 24 | 2.05 | - 6.29 | 0.57 | 0.0 | 5 | 8 | 21 | 2 | se. | State Biologic Station. |
| Cheneyville. | Rapides. | 67 | 22 | 84.0 | + 3.5 | 100 | 8† | 84 | 25 | 30 | 2.18 | - 3.43 | 1.28 | 0.0 | 7 | 17 | 5 | 9 | ... | Walter L. Tanner. |
| Clinton. | East Feliciana. | 113 | 20 | 80.8 | + 0.2 | 93 | 14† | 64 | 25 | 21 | 6.33 | - 0.58 | 1.75 | 0.0 | 14 | 10 | 9 | 12 | n. | John A. White, jr. |
| Colliston. | Morehouse. | 65 | 7 | 83.9 | ... | 99 | 8† | 65 | 23† | 23 | 4.78 | ... | 1.59 | 0.0 | 7 | 18 | 6 | 7 | ... | W. A. Page. |
| Covington. | St. Tammany. | 39 | 17 | 83.0 | + 1.8 | 99 | 4 | 64 | 25 | 31 | 4.66 | - 3.00 | 1.20 | 0.0 | 14 | 11 | 10 | 10 | s. | C. Champagne. |
| Dodson. | Winn. | ... | 1 | 83.8 | ... | 101 | 14† | 64 | 25 | 28 | 1.63 | ... | 0.33 | 0.0 | 6 | 16 | 13 | 2 | sw. | J. P. Lucas. |
| Donaldsonville. | Ascension. | 33 | 19 | 83.2 | + 2.1 | 98 | 4 | 68 | 30 | 26 | 4.58 | - 1.82 | 0.93 | 0.0 | 10 | 19 | 11 | 1 | s. | John F. Park. |
| Farmerville. | Union. | 177 | 19 | 83.0 ^b | + 1.9 | 98 ^b | 28 | 63 ^b | 24 | 27 | 2.43 | - 1.99 | 0.83 | 0.0 | 6 | 17 | 9 | 5 | s. | W. P. Chandler. |
| Ferriday. | Concordia. | 3 | 82.1 | ... | 97 | 5† | 60 | 25 | 28 | 1.46 | ... | 0.38 | 0.0 | 9 | 23 | 0 | 8 | sw. | R. Z. Slater. | |
| Franklin. | St. Mary. | 10 | 17 | 83.9 | + 2.0 | 99 | 14 | 70 | 30 | 25 | 8.28 | - 1.46 | 3.00 | 0.0 | 17 | 18 | 5 | 8 | s. | Miss Josephine M. Bonney |
| Grand Cane. | De Soto. | 302 | 14 | 84.2 | ... | 101 | 14† | 55 | 21 | 34 | 1.92 | ... | 0.75 | 0.0 | 5 | 12 | 5 | 4 | se. | J. J. Paxton. |
| Grand Coteau. | St. Landry. | 93 | 17 | 83.4 | + 2.2 | 100 | 14 | 70 | 17† | 26 | 4.80 | - 1.70 | 1.15 | 0.0 | 10 | 14 | 16 | 1 | se. | St. Charles College. |
| Hammond. | Tangipahoa. | 44 | 10 | 82.6 | + 1.0 | 99 | 4 | 62 | 25 | 31 | 4.90 | - 1.48 | 1.38 | 0.0 | 8 | 17 | 12 | 2 | sw. | C. C. Carr. |
| Houma. | Terre Bonne. | 17 | 83.0 | + 1.9 | 97 | 4† | 69 | 16 | 25 | 3.27 | - 5.97 | 1.00 | 0.0 | 6 | 13 | 16 | 3 | s. | J. M. Haggerty. | |
| Jennings. | Calcasieu. | 30 | 11 | 84.1 | + 3.0 | 99 | 14 | 71 | 17 | 24 | 4.73 | - 1.23 | 3.58 | 0.0 | 13 | 0 | 30 | 1 | se. | J. H. Buch. |
| Lafayette. | Lafayette. | 36 | 22 | 82.2 | + 1.0 | 97 | 14 | 70 | 17 | 23 | 3.52 | - 3.41 | 1.05 | 0.0 | 12 | 17 | 6 | 8 | w. | J. J. Davidson. |
| Lake Charles. | Calcasieu. | 23 | 21 | 81.8 | + 0.6 | 103 | 15 | 67 | 22 | 30 | 5.24 | - 1.23 | 1.55 | 0.0 | 10 | 23 | 4 | 4 | s. | A. O. Boudreaux. |
| Lakeade. | Cameron. | 8 | 19 | 83.5 | ... | 98 | 14 | 68 | 31 | 24 | 6.38 | ... | 2.47 | 0.0 | 8 | 22 | 0 | 9 | sw. | L. J. Nunemacher. |
| Lawrence. | Plaquemine. | 6 | 19 | 83.8 | + 1.2 | 100 | 5 | 69 | 30 | 25 | 5.69 | - 1.55 | 1.20 | 0.0 | 14 | 23 | 3 | 5 | s. | H. C. Warmoth. |
| Liberty Hill. | Blenville. | 22 | 87.7 | + 5.4 | 107 | 14 | 61 | 25 | 37 | 1.50 | - 3.64 | 0.44 | 0.0 | 7 | 21 | 5 | 5 | s. | Dr. E. A. Crawford. | |
| Logansport. | De Soto. | 192 | 4 | 82.7 | ... | 98 | 14 | 63 | 25† | 29 | 3.85 | ... | 1.75 | 0.0 | 5 | 12 | 16 | 2 | s. | Mrs. Bettie M. Dennis. |
| Meville. | St. Landry. | 45 | 22 | 82.6 | + 0.9 | 97 | 13† | 65 | 25 | 28 | 2.60 | - 3.20 | 0.96 | 0.0 | 8 | 12 | 11 | 8 | s. | Chas. B. McNeill. |
| Minden. | Webster. | 104 | 21 | 83.8 | + 1.5 | 102 | 15† | 63 | 25 | 33 | 1.87 | - 2.83 | 0.85 | 0.0 | 8 | 14 | 13 | 4 | s. | Miss Ethel Fort. |
| Monroe. | Ouachita. | 82 | 22 | 82.7 | + 0.5 | 95 | 3† | 64 | 25 | 25 | 1.78 | - 2.98 | 1.32 | 0.0 | 3 | 27 | 0 | 4 | e. | Eugene Stannard. |
| Morgan City. | St. Mary. | 14 | 4 | 82.7 | ... | 98 | 14 | 68 | 31 | 24 | 3.36 | ... | 0.54 | 0.0 | 10 | | | | | Virgil E. Kinsey. |
| Newellton. | Tensas. | 2 | 82.7 | ... | 98 | 14 | 63 | 25 | 27 | 2.13 | ... | 1.75 | 0.0 | 5 | 12 | 16 | 2 | s. | John D. Fults. | |
| New Iberia. | Iberia. | 15 | 19 | 84.5 | + 3.2 | 100 | 8 | 70 | 31 | 26 | 5.75 | - 1.84 | 2.00 | 0.0 | 9 | 0 | 28 | 3 | se. | Mrs. Jno. A. Gebert. |
| New Orleans (1). | Orleans. | 15 | 35 | 83.2 | + 1.9 | 98 | 4 | 73 | 30 | 18 | 4.85 | - 1.82 | 1.58 | 0.0 | 14 | 4 | 14 | 12 | w. | U. S. Weather Bureau. |
| New Orleans (2). | do. | 18 | 22 | 83.0 | + 0.7 | 95 | 4† | 70 | 25 | 21 | 3.71 | - 2.83 | 1.54 | 0.0 | 14 | 8 | 9 | 14 | s. | Sugar Exp. Station. |
| New Orleans (3). | do. | | | | | | | | | | | | | | | | | | | Sewerage and Water Board, New Orleans Drainage Commission. |
| New Orleans (4). | do. | | | | | | | | | | | | | | | | | | | |
| New Orleans (5). | do. | | | | | | | | | | | | | | | | | | | |
| New Orleans (6). | do. | | | | | | | | | | | | | | | | | | | |
| New Orleans (7). | do. | | | | | | | | | | | | | | | | | | | |
| New Orleans (8). | do. | | | | | | | | | | | | | | | | | | | |
| Opelousas. | St. Landry. | 83 | 18 | 84.0 | + 2.6 | 102 | 15 | 69 | 25 | 30 | 2.31 | - 4.28 | 0.98 | 0.0 | 11 | 8 | 13 | 10 | s. | Andrew Morest. |
| Pearl River. | St. Tammany. | 3 | 82.1 | ... | 97 | 5† | 60 | 25 | 28 | 5.53 | ... | 1.58 | 0.0 | 18 | | | | | | George F. Bancks. |
| Plain Dealing. | Bossier. | 268 | 17 | 84.5 | + 3.2 | 100 | 14 | 68 | 25 | 35 | 4.23 | - 0.87 | 2.26 | 0.0 | 5 | 12 | 12 | 7 | sw. | Leon Sanders. |
| Rayne. | Acadia. | 44 | 18 | 83.9 | + 1.8 | 99 | 14† | 69 | 16 | 26 | 6.27 | - 0.56 | 1.20 | 0.0 | 11 | 17 | 0 | 14 | s. | A. P. McNeil. |
| Reserve. | St. John Baptist. | 8 | 79.1 | ... | 98 | 5 | 62 | 30 | 31 | 7.09 | ... | 1.54 | 0.0 | 11 | 0 | 21 | 10 | ... | Leon Godchaux Co. | |
| Robeline. | Natchitoches. | 147 | 14 | 84.6 | + 3.7 | 102 | 14 | 65 | 28 | 33 | 2.05 | - 2.65 | 1.52 | 0.0 | 2 | 21 | 2 | 8 | s. | Miss Ruby McCook. |
| Ruston. | Lincoln. | 313 | 13 | 85.2 | + 3.3 | 100 | 11† | 69 | 25 | 20 | 0.85 | - 5.05 | 0.60 | 0.0 | 2 | 19 | 9 | 3 | s. | J. C. H. McKinney. |
| Schreiber. | Terrebonne. | 17 | 18 | 84.0 | + 2.3 | 102 | 4 | 69 | 30 | 28 | 5.37 | - 4.74 | 1.74 | 0.0 | 3 | 21 | 1 | 9 | se. | Charles V. Moore. |
| Shreveport. | Caddo. | 249 | 37 | 84.4 | + 2.3 | 100 | 13 | 70 | 25 | 23 | 1.42 | - 2.30 | 0.67 | 0.0 | 4 | 20 | 6 | 5 | se. | U. S. Weather Bureau. |
| Simmesport. | Avoyelles. | 4 | 14 | 82.2 | ... | 98 | 14 | 68 | 25 | 27 | 3.37 | ... | 1.40 | 0.0 | 9 | | | | | W. P. Denny. |
| Southern Univ. Farm. | Jefferson. | 14 | 15 | 82.2 | ... | 100 | 15 | 62 | 20 | 32 | 3.18 | - 0.81 | 1.30 | 0.0 | 14 | 6 | 15 | 10 | se. | F. L. St. Martin. |
| St. Francisville. | West Feliciana. | 115 | 5 | 82.2 | + 2.5 | 97 | 13 | 69 | 31 | 23 | 3.02 | - 2.15 | 0.82 | 0.0 | 6 | 16 | 8 | 6 | s. | L. P. Kilbourne. |
| Sugartown. | Calcasieu. | 17 | 17 | 84.1 | + 2.5 | 100 | 14 | 61 | 25† | 34 ^b | 2.13 | ... | 1.05 | 0.0 | 5 | 3 | 3 | 28 | 0 | G. W. Richardson. |
| Tallulah. | Madison. | 91 | 1 | 83.5 ^b | ... | 98 | 14 | 61 | 25† | 34 ^b | 2.13 | ... | 1.05 | 0.0 | 5 | 3 | 3 | 28 | 0 | G. P. Blair. |

* Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

** Precipitation included in that of the next measurement.

† Also on other dates.

‡ Data are from standard instruments not supplied by the U. S. Weather Bureau.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

|| Estimated by observer.

¶ Precipitation for the 24 hours ending on the morning when it is measured.

** Precipitation is less than 0.01 inch rain or melted snow.

*, †, ‡, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

TABLE 2—*Daily precipitation for July, 1909. District No. 7, Lower Mississippi Valley.*

TABLE 2.—*Daily precipitation for July, 1909. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for July, 1909. District No. 7—Continued.*

| Stations. | River basins. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---------------|---------------|------|---|---|---|---|---|---|---|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Total. | | |
| Oklahoma—Cont'd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mutual | Canadian | | | | | | | | | | .30 | | | | | | | | | | | | | | | | | | | | | | | | 1.40 |
| Neola | Washita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.47 | |
| Newkirk | Arkansas | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.56 | |
| Norman | Canadian | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.77 | |
| Okeme | Cimarron | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.42 | |
| Oklahoma | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.35 | |
| Okmulgee | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.40 | |
| Pauls Valley | Pawhuska | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.13 | |
| Perry | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.09 | |
| Ravia | Washita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.62 | |
| Sax & Fox Agy | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.11 | |
| Shawnee\|\| | do | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.91 | |
| Snyder | Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | |
| Stillwater\|\| | Cimarron | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.12 | |
| Supply | Canadian | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.03 | |
| Tulsa (1) | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.12 | |
| Tulsa (2)\|\| | do | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.61 | |
| Vinita | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.78 | |
| Wagoner | do | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.15 | |
| Waukomis | Cimarron | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.91 | |
| Weatherford\|\| | Canadian | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.82 | |
| Webbers Falls | Arkansas | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.27 | |
| Whiteagle | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.11 | |
| Woodward | Canadian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.54 | |
| <i>Missouri.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Belle | Meramec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.83 | |
| Birchtree | Black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.01 | |
| Cape Girardeau | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16.57 | |
| Caruthersville | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.37 | |
| Dean | Neosho | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.40 | |
| Dompham | Black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.87 | |
| Farmington | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9.55 | |
| Gano | Meramec | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31.44 | |
| Goodland | Black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.55 | |
| Greenville | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.14 | |
| Ironton\|\| | do | | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45.26 | |
| Jackson | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9.99 | |
| Joplin | Neosho | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.54 | |
| Koshkonong | Black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.00 | |
| Lamar | Neosho | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.30 | |
| Marble Hill | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.15 | |
| Mt. Vernon | Neosho | 1.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.00 | |
| Necaho | do | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 38.40 | |
| Oakfield | Meramec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.97 | |
| Olden | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.60 | |
| Sikeston | Mississippi | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.77 | |
| Springfield | White | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.04 | |
| Steelville | Meramec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.14 | |
| Willow Springs | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.85 | |
| <i>Kentucky.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blandville | Mississippi | 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7.26 | |
| Lynville | do | 30 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.94 | | |
| <i>Tennessee.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arlington\|\| | Mississippi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.70 | |
| Bolivar\|\| | do | 22 | 1.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.34 | | |
| Brownsville\|\| | do | T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.77 | |
| Covington\|\| | do | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.18 | |
| Dyersburg\|\| | do | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.60 | |
| Jackson | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.46 | |
| Kenton | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.98 | |
| Memphis | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.09 | |
| Milan\|\| | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.71 | |
| Trenton | do | 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.54 | |
| Union City | do | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.74 | |
| <i>Arkansas.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alicia | White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.94 | |
| Amity | Ouachita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.86 | |
| Arkadelphia (near) | do | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | |
| Arkansas City\|\| | Mississippi | 1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.51 | |
| Batesville (1) | White | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.68 | |
| Batesville (2)\|\| | do | 32 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.67 | | |
| Bee Branch | Arkansas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for July, 1909. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for July, 1909. District No. 7—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations, July, 1909. District No. 7, Lower Mississippi Valley.

| Date. | Colorado. | | | | | New Mexico. | | | | | Texas. | | | | | Kansas. | | | | | Oklahoma. | | | | | | | | |
|-------|-----------|------|------------|------|---------|-------------|------|------------|------|-----------|--------|------|-------------|------|------------|---------|-------|------|----------|------|-----------|------|---------------|------|-------|------|------|------|----|
| | Lamar. | | Leadville. | | Pueblo. | Albert. | | Clarendon. | | Amarillo. | Paris. | | Dodge City. | | Ellinwood. | | Iola. | | Wichita. | | Ardmore. | | Bartlesville. | | Enid. | | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | | |
| 1... | 90 | 62 | 74 | 44 | 86 | 64 | 84 | 65 | 81 | 57 | 80 | 62 | 96 | 72 | 85 | 68 | 91 | 68 | 88 | 71 | 87 | 68 | 95 | 71 | 90 | 67 | 93 | 68 | |
| 2... | 96 | 69 | 76 | 43 | 91 | 69 | 90 | 63 | 84 | 51 | 84 | 65 | 101 | 74 | 91 | 68 | 95 | 68 | 92 | 71 | 96 | 72 | 95 | 69 | 97 | 69 | 100 | 70 | |
| 3... | 100 | 63 | 73 | 45 | 92 | 68 | 93 | 67 | 87 | 54 | 87 | 65 | 101 | 76 | 93 | 69 | 98 | 69 | 95 | 73 | 98 | 72 | 96 | 68 | 98 | 68 | 100 | 70 | |
| 4... | 102 | 64 | 70 | 46 | 92 | 67 | 95 | 65 | 84 | 56 | 90 | 66 | 101 | 76 | 93 | 69 | 97 | 73 | 93 | 71 | 99 | 75 | 97 | 65 | 98 | 65 | 100 | 71 | |
| 5... | 95 | 64 | 69 | 47 | 88 | 64 | 95 | 68 | 87 | 57 | 93 | 69 | 98 | 77 | 98 | 76 | 100 | 73 | 94 | 76 | 97 | 76 | 99 | 73 | 98 | 73 | 102 | 72 | |
| 6... | 93 | 61 | 74 | 42 | 84 | 62 | 97 | 67 | 85 | 57 | 92 | 64 | 99 | 76 | 94 | 70 | 95 | 71 | 94 | 76 | 94 | 76 | 102 | 74 | 99 | 73 | 102 | 73 | |
| 7... | 94 | 61 | 72 | 43 | 90 | 62 | 94 | 67 | 87 | 53 | 89 | 66 | 101 | 76 | 94 | 70 | 90 | 72 | 92 | 74 | 99 | 75 | 102 | 76 | 99 | 75 | 102 | 76 | |
| 8... | 96 | 67 | 77 | 42 | 88 | 67 | 97 | 64 | 90 | 55 | 91 | 69 | 102 | 75 | 93 | 70 | 90 | 70 | 92 | 74 | 106 | 76 | 102 | 77 | 104 | 72 | 104 | 72 | |
| 9... | 100 | 63 | 73 | 43 | 93 | 63 | 100 | 63 | 88 | 56 | 87 | 66 | 105 | 75 | 84 | 68 | 90 | 75 | 95 | 72 | 98 | 72 | 108 | 74 | 101 | 72 | 103 | 73 | |
| 10... | 92 | 67 | 71 | 41 | 91 | 68 | 98 | 63 | 88 | 53 | 94 | 67 | 104 | 75 | 87 | 70 | 86 | 80 | 83 | 70 | 97 | 70 | 108 | 77 | 98 | 74 | 102 | 73 | |
| 11... | 104 | 67 | 70 | 47 | 102 | 61 | 106 | 66 | 92 | 48 | 96 | 66 | 104 | 77 | 93 | 63 | 94 | 61 | 91 | 70 | 93 | 65 | 108 | 79 | 98 | 74 | 104 | 73 | |
| 12... | 94 | 67 | 72 | 39 | 87 | 69 | 92 | 74 | 88 | 61 | 84 | 69 | 104 | 77 | 85 | 65 | 87 | 68 | 84 | 68 | 85 | 70 | 107 | 80 | 102 | 76 | 104 | 73 | |
| 13... | 93 | 60 | 73 | 48 | 99 | 59 | 92 | 61 | 88 | 53 | 92 | 63 | 104 | 77 | 91 | 62 | 93 | 57 | 88 | 64 | 91 | 64 | 107 | 76 | 94 | 65 | 102 | 74 | |
| 14... | 90 | 65 | 70 | 41 | 79 | 62 | 97 | 62 | 83 | 47 | 93 | 64 | 105 | 78 | 87 | 63 | 87 | 64 | 88 | 64 | 87 | 63 | 108 | 77 | 93 | 64 | 104 | 68 | |
| 15... | 91 | 63 | 73 | 39 | 91 | 63 | 91 | 63 | 82 | 51 | 88 | 65 | 101 | 75 | 88 | 69 | 87 | 70 | 88 | 69 | 90 | 100 | 75 | 93 | 65 | 100 | 70 | | |
| 16... | 98 | 64 | 76 | 45 | 90 | 53 | 98 | 60 | 86 | 53 | 93 | 65 | 93 | 74 | 89 | 63 | 91 | 66 | 88 | 66 | 86 | 69 | 98 | 74 | 92 | 70 | 95 | 68 | |
| 17... | 101 | 61 | 74 | 44 | 92 | 56 | 95 | 64 | 88 | 51 | 92 | 63 | 93 | 69 | 90 | 66 | 93 | 67 | 88 | 68 | 90 | 69 | 101 | 71 | 91 | 68 | 97 | 68 | |
| 18... | 100 | 70 | 74 | 42 | 95 | 61 | 93 | 64 | 83 | 53 | 91 | 64 | 94 | 72 | 92 | 69 | 92 | 68 | 90 | 67 | 88 | 68 | 99 | 71 | 93 | 65 | 98 | 69 | |
| 19... | 101 | 70 | 73 | 44 | 95 | 64 | 94 | 64 | 85 | 55 | 89 | 67 | 96 | 73 | 92 | 69 | 92 | 69 | 91 | 70 | 101 | 72 | 95 | 70 | 98 | 68 | 98 | 68 | |
| 20... | 104 | 71 | 87 | 41 | 95 | 65 | 94 | 64 | 84 | 57 | 90 | 66 | 96 | 72 | 93 | 73 | 93 | 71 | 91 | 88 | 90 | 69 | 101 | 69 | 93 | 68 | 102 | 70 | |
| 21... | 97 | 68 | 68 | 41 | 87 | 63 | 93 | 72 | 83 | 53 | 95 | 68 | 91 | 71 | 88 | 100 | 72 | 99 | 71 | 89 | 63 | 91 | 69 | 101 | 66 | 93 | 67 | 103 | 68 |
| 22... | 83 | 64 | 68 | 45 | 89 | 56 | 93 | 64 | 85 | 54 | 95 | 67 | 101 | 71 | 81 | 64 | 89 | 63 | 92 | 66 | 98 | 68 | 100 | 72 | 93 | 67 | 100 | 70 | |
| 23... | 89 | 64 | 64 | 44 | 82 | 60 | 85 | 64 | 77 | 55 | 85 | 64 | 95 | 74 | 86 | 60 | 85 | 55 | 82 | 60 | 81 | 59 | 96 | 74 | 85 | 59 | 92 | 58 | |
| 24... | 93 | 70 | 64 | 47 | 89 | 60 | 89 | 69 | 81 | 54 | 84 | 64 | 98 | 66 | 88 | 65 | 80 | 62 | 83 | 68 | 80 | 63 | 100 | 64 | 88 | 57 | 96 | 60 | |
| 25... | 96 | 67 | 88 | 40 | 89 | 59 | 90 | 63 | 80 | 57 | 88 | 67 | 93 | 69 | 90 | 65 | 93 | 62 | 76 | 66 | 87 | 66 | 103 | 65 | 91 | 64 | 100 | 68 | |
| Mns | 95.6 | 65.0 | 70.9 | 43.0 | 89.7 | 62.4 | 94.0 | 64.8 | 84.7 | 54.0 | 89.8 | 66.0 | 99.5 | 74.1 | 91.4 | 67.4 | 91.7 | 67.7 | 88.5 | 68.6 | 89.8 | 69.4 | 102.0 | 73.4 | 94.6 | 69.7 | 99.2 | 70.0 | |

| Date. | Oklahoma. | | | | | | | | | | Missouri. | | | | | | | | | | Tennessee. | | | | | | | | | |
|-------|-----------|------|------------|------|----------|------|-----------|------|--------------|------|-----------|------|----------|------|---------|------|--------|------|--------|------|--------------|--------|----------------|------|----------|------|----------|------|------|--|
| | Mangum. | | McAlister. | | Muskogee | | Oklahoma. | | Weatherford. | | Woodward. | | Catoosa. | | Ironon. | | Lamar. | | Olden. | | Springfield. | | Lynnville, Ky. | | Jackson. | | Memphis. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | |
| 1... | 94 | 70 | 93 | 69 | 94 | 67 | 88 | 68 | 93 | 70 | 88 | 67 | 92 | 73 | 94 | 63 | 89 | 70 | 91 | 66 | 84 | 68 | 88 | 68 | 94 | 73 | 91 | 74 | 94 | |
| 2... | 94 | 71 | 97 | 73 | 98 | 67 | 91 | 71 | 95 | 75 | 93 | 66 | 97 | 70 | 97 | 60 | 94 | 68 | 93 | 67 | 90 | 72 | 91 | 73 | 99 | 70 | 94 | 76 | 97 | |
| 3... | 100 | 71 | 97 | 73 | 98 | 73 | 94 | 74 | 100 | 75 | 97 | 70 | 98 | 70 | 96 | 63 | 95 | 71 | 93 | 63 | 90 | 72 | 91 | 73 | 99 | 70 | 94 | 76 | 97 | |
| 4... | 99 | 68 | 98 | 75 | 96 | 75 | 94 | 76 | 98 | 82 | 97 | 71 | 94 | 68 | 93 | 61 | 91 | 71 | 83 | 64 | 86 | 68 | 80 | 63 | 99 | 71 | 97 | 75 | 97 | |
| 5... | 100 | 64 | 96 | 74 | 98 | 74 | 96 | 74 | 99 | 76 | 99 | 77 | 98 | 64 | 96 | 63 | 94 | 73 | 93 | 65 | 99 | 70 | 98 | 61 | 97 | 62 | 94 | 70 | | |
| 6... | 100 | 75 | 96 | 76 | 98 | 75 | 95 | 76 | 100 | 77 | 99 | 76 | 98 | 64 | 96 | 71 | 95 | 64 | 96 | 73 | 94 | 75 | 97 | 77 | 99 | 76 | 102 | 79 | | |
| 7... | 101 | 75 | 98 | 78 | 99 | 76 | 95 | 78 | 100 | 78 | 98 | 77 | 99 | 70 | 91 | 72 | 94 | 72 | 93 | 74 | 97 | 74 | 98 | 76 | 101 | 76 | 102 | 76 | | |
| 8... | 100 | 76 | 102 | 76 | 99 | 78 | 98 | 74 | 101 | 80 | 100 | 71 | 98 | 70 | 96 | 66 | 98 | 73 | 90 | 73 | 90 | 79 | 97 | 78 | 104 | 76 | 102 | 72 | | |
| 9... | 99 | 76 | 102 | 78 | 99 | 76 | 99 | 76 | 99 | 81 | 91 | 70 | 98 | 72 | 93 | 64 | 95 | 75 | 90 | 73 | 90 | 79 | 97 | 78 | 105 | 77 | 104 | 72 | | |
| 10... | 106 | 73 | 102 | 76 | 98 | 77 | 101 | 73 | 107 | 79 | 98 | 72 | 90 | 70 | 77 | 67 | 95 | 69 | 88 | 68 | 95 | 77 | 100 | 70 | 99 | 71 | 106 | 74 | | |
| 11... | 105 | 73 | 103 | 75 | 98 | 76 | 101 | 77 | 104 | 70 | 100 | 70 | 92 | 74 | 91 | 70 | 93 | 71 | 89 | 61 | 90 | 74 | 95 | 73 | 102 | 75 | 92 | 75 | | |
| 12... | 105 | 74 | 101 | 73 | 99 | 76 | 101 | 77 | 104 | 80 | 95 | 79 | 96 | 70 | 96 | 73 | 93 | 77 | 93 | 52 | 92 | 70 | 99 | 75 | 102 | 78 | 97 | 77 | | |
| 13... | 104 | 71 | 101 | 75 | 100 | 73 | 96 | 68 | 100 | 71 | 98 | 73 | 98 | 75 | 91 | 70 | 91 | 63 | 88 | 57 | 94 | 78 | 97 | 78 | 105 | 77 | 91 | 77 | | |
| 14... | 106 | 71 | 105 | 76 | 101 | 68 | 102 | 69 | 105 | 71 | 97 | 65 | 99 | 65 | 98 | 89 | 97 | 67 | 98 | 64 | 99 | 76</td | | | | | | | | |

MONTHLY WEATHER REVIEW.

JULY, 1909

TABLE 3.—Maximum and minimum temperatures at selected stations, July, 1909. District No. 7—Continued.

| Date. | Union City, Tenn. | | Arkansas. | | | | | | | | | | | | Mississippi. | | | | | | | | | | | | |
|-------|-------------------|------|-----------|------|-------------|------|-----------|------|-------------|------|--------------|------|-------------|------|--------------|------|--------|------|-------------|------|----------|------|-------------|------|------------|------|------|
| | Bentonville. | | Cornings. | | Dardanelle. | | Eldorado. | | Fort Smith. | | Little Rock. | | Pine Bluff. | | Texarkana. | | Wynne. | | Clarksdale. | | Corinth. | | Greenville. | | Kosciusko. | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Miu. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| 1... | 97 | 72 | 86 | 67 | 89 | 71 | ..... | 93 | 73 | 93 | 71 | 88 | 74 | 94 | 73 | 90 | 74 | 93 | 72 | 94 | 72 | 92 | 74 | 95 | 73 | 92 | 72 |
| 2... | 100 | 68 | 91 | 66 | 93 | 69 | ..... | 94 | 73 | 95 | 72 | 83 | 73 | 95 | 72 | 94 | 72 | 95 | 72 | 94 | 71 | 95 | 74 | 95 | 77 | 95 | 73 |
| 3... | 100 | 69 | 92 | 70 | 93 | 72 | ..... | 97 | 76 | 97 | 75 | 94 | 74 | 98 | 71 | 98 | 75 | 97 | 83 | 97 | 72 | 96 | 71 | 98 | 77 | 95 | 70 |
| 4... | 91 | 68 | 92 | 70 | 93 | 69 | ..... | 98 | 71 | 94 | 76 | 91 | 74 | 99 | 74 | 98 | 75 | 88 | 73 | 95 | 75 | 88 | 74 | 99 | 74 | 93 | 74 |
| 5... | 98 | 62 | 92 | 74 | 92 | 67 | ..... | 96 | 73 | 94 | 75 | 95 | 74 | 100 | 75 | 98 | 76 | 99 | 70 | 99 | 71 | 94 | 64 | 101 | 75 | 95 | 73 |
| 6... | 99 | 72 | 92 | 73 | 93 | 77 | ..... | 94 | 76 | 92 | 77 | 92 | 77 | 96 | 75 | 97 | 76 | 97 | 78 | 95 | 78 | 96 | 70 | 98 | 78 | 91 | 74 |
| 7... | 98 | 73 | 94 | 75 | 93 | 77 | ..... | 93 | 76 | 95 | 78 | 92 | 78 | 95 | 76 | 98 | 78 | 96 | 77 | 95 | 78 | 94 | 73 | 95 | 78 | 91 | 71 |
| 8... | 86 | 72 | 94 | 74 | 85 | 73 | ..... | 95 | 76 | 98 | 76 | 95 | 78 | 98 | 75 | 98 | 75 | 97 | 74 | 98 | 74 | 86 | 70 | 97 | 77 | 94 | 75 |
| 9... | 91 | 72 | 96 | 73 | 93 | 73 | ..... | 93 | 76 | 100 | 73 | 94 | 76 | 101 | 74 | 102 | 77 | 93 | 73 | 93 | 74 | 89 | 74 | 96 | 74 | 92 | 74 |
| 10... | 84 | 71 | 93 | 76 | 87 | 71 | ..... | 98 | 77 | 97 | 78 | 95 | 77 | 99 | 75 | 101 | 78 | 87 | 74 | 93 | 75 | 83 | 71 | 95 | 76 | 85 | 75 |
| 11... | 88 | 73 | 93 | 76 | 90 | 73 | ..... | 96 | 76 | 98 | 76 | 94 | 76 | 98 | 74 | 100 | 76 | 97 | 76 | 95 | 75 | 90 | 71 | 94 | 74 | 89 | 74 |
| 12... | 94 | 73 | 95 | 75 | 93 | 77 | ..... | 96 | 75 | 99 | 78 | 95 | 77 | 97 | 75 | 100 | 76 | 98 | 77 | 95 | 75 | 84 | 74 | 94 | 76 | 93 | 74 |
| 13... | 92 | 76 | 89 | 70 | 91 | 76 | ..... | 97 | 75 | 97 | 78 | 95 | 79 | 98 | 74 | 100 | 77 | 94 | 74 | 97 | 73 | 90 | 74 | 96 | 77 | 92 | 73 |
| 14... | 90 | 68 | 92 | 66 | 90 | 69 | ..... | 99 | 77 | 98 | 71 | 94 | 73 | 99 | 72 | 104 | 78 | 93 | 64 | 98 | 73 | 90 | 74 | 97 | 75 | 92 | 73 |
| 15... | 86 | 71 | 86 | 66 | 88 | 75 | ..... | 97 | 71 | 88 | 68 | 83 | 70 | 92 | 64 | 100 | 72 | 90 | 73 | 98 | 74 | 92 | 70 | 95 | 78 | 91 | 71 |
| 16... | 90 | 71 | 86 | 68 | 87 | 70 | ..... | 92 | 73 | 89 | 72 | 85 | 70 | 90 | 74 | 89 | 68 | 94 | 68 | 90 | 70 | 93 | 73 | 91 | 69 | 69 | |
| 17... | 92 | 64 | 86 | 63 | 87 | 65 | ..... | 87 | 73 | 88 | 69 | 88 | 70 | 90 | 68 | 88 | 68 | 90 | 62 | 94 | 74 | 90 | 64 | 89 | 71 | 89 | 71 |
| 18... | 92 | 63 | 88 | 64 | 90 | 63 | ..... | 89 | 72 | 90 | 71 | 91 | 70 | 95 | 68 | 93 | 68 | 93 | 64 | 95 | 64 | 90 | 63 | 94 | 72 | 91 | 72 |
| 19... | 91 | 63 | 89 | 63 | 90 | 62 | ..... | 91 | 71 | 92 | 70 | 93 | 71 | 97 | 69 | 95 | 68 | 95 | 65 | 95 | 65 | 90 | 68 | 95 | 69 | 90 | 69 |
| 20... | 91 | 56 | 85 | 64 | 84 | 59 | ..... | 90 | 70 | 87 | 70 | 86 | 66 | 93 | 68 | 95 | 68 | 97 | 59 | 91 | 63 | 90 | 60 | 88 | 60 | 88 | 61 |
| 21... | 96 | 62 | 91 | 56 | 92 | 62 | ..... | 91 | 69 | 91 | 65 | 91 | 71 | 98 | 66 | 93 | 68 | 97 | 65 | 95 | 64 | 94 | 70 | 92 | 72 | 91 | 71 |
| 22... | 96 | 72 | 88 | 62 | 92 | 73 | ..... | 92 | 73 | 91 | 74 | 91 | 74 | 94 | 70 | 95 | 73 | 93 | 70 | 94 | 73 | 92 | 66 | 90 | 72 | 92 | 66 |
| 23... | 86 | 65 | 92 | 56 | 89 | 65 | ..... | 87 | 72 | 86 | 66 | 87 | 72 | 88 | 71 | 91 | 73 | 86 | 64 | 88 | 71 | 84 | 72 | 89 | 72 | 88 | 68 |
| 24... | 89 | 59 | 83 | 55 | 86 | 59 | ..... | 88 | 65 | 87 | 65 | 84 | 68 | 89 | 63 | 94 | 67 | 87 | 61 | 89 | 63 | 88 | 60 | 89 | 62 | 88 | 60 |
| 25... | 89 | 57 | 83 | 65 | 83 | 61 | ..... | 90 | 64 | 87 | 66 | 88 | 68 | 93 | 64 | 94 | 69 | 90 | 59 | 90 | 65 | 88 | 65 | 88 | 65 | 88 | 61 |
| 26... | 76 | 66 | 91 | 68 | 79 | 68 | ..... | 93 | 63 | 92 | 73 | 90 | 68 | 97 | 65 | 97 | 67 | 92 | 63 | 88 | 62 | 94 | 64 | 90 | 59 | 80 | 61 |
| 27... | 91 | 67 | 86 | 76 | 91 | 65 | ..... | 94 | 73 | 89 | 76 | 92 | 75 | 98 | 67 | 96 | 70 | 98 | 68 | 90 | 64 | 96 | 68 | 94 | 61 | 81 | 61 |
| 28... | 96 | 73 | 92 | 74 | 92 | 74 | ..... | 96 | 74 | 92 | 78 | 96 | 76 | 101 | 72 | 100 | 75 | 100 | 75 | 99 | 75 | 97 | 72 | 95 | 75 | 97 | 73 |
| 29... | 98 | 74 | 96 | 74 | 94 | 74 | ..... | 97 | 75 | 100 | 77 | 98 | 74 | 102 | 72 | 101 | 71 | 102 | 73 | 99 | 73 | 98 | 75 | 98 | 76 | 97 | 73 |
| 30... | 93 | 77 | 98 | 73 | 93 | 74 | ..... | 97 | 75 | 100 | 78 | 95 | 74 | 99 | 74 | 100 | 69 | 98 | 77 | 99 | 75 | 94 | 74 | 95 | 77 | 88 | 69 |
| 31... | 95 | 72 | 95 | 72 | 90 | 70 | ..... | 89 | 74 | 96 | 76 | 98 | 70 | 103 | 71 | 102 | 77 | 99 | 73 | 95 | 73 | 92 | 73 | 87 | 74 | 79 | 69 |
| Mns | 92.1 | 68.2 | 90.2 | 68.5 | 89.5 | 69.9 | ..... | 93.7 | 72.9 | 93.3 | 73.2 | 91.8 | 73.1 | 90.3 | 71.1 | 90.8 | 73.3d | 93.6 | 70.4 | 94.7 | 71.3 | 90.7 | 69.3 | 94.7 | 73.2 | 90.9 | 69.9 |

| Date. | Mississippi. | | | | | | Louisiana. | | | | | | New Orleans. | | | | | | Shreveport. | | | | | | |
|-------|--------------|------|------------|------|-------------|------|--------------|------|------------|------|------------|------|---------------|------|---------|------|-----------|------|-------------|------|-------------|------|------|------|------|
| | Natchez. | | Vicksburg. | | Alexandria. | | Baton Rouge. | | Covington. | | Lafayette. | | Lake Charles. | | Monroe. | | Robeline. | | Schrivener. | | Shreveport. | | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| 1... | 97 | 74 | 90 | 74 | 95 | 73 | 98 | 69 | 94 | 73 | 92 | 75 | 98 | 69 | 99 | 73 | 88 | 77 | 91 | 71 | 94 | 74 | 92 | 74 | 97 |
| 2... | 95 | 75 | 91 | 75 | 98 | 73 | 95 | 70 | 92 | 74 | 93 | 75 | 100 | 69 | 91 | 75 | 92 | 76 | 95 | 73 | 95 | 75 | 97 | 75 | 94 |
| 3... | 97 | 75 | 97 | 76 | 98 | 74 | 97 | 68 | 97 | 73 | 92 | 75 | 98 | 69 | 95 | 71 | 97 | 76 | 97 | 74 | 95 | 71 | 97 | 75 | 95 |
| 4... | 99 | 76 | 98 | 78 | 99 | 74 | 99 | 70 | 99 | 75 | 95 | 78 | 100 | 70 | 93 | 76 | 96 | 79 | 98 | 73 | 102 | 76 | 97 | 77 | 98 |
| 5... | 98 | 76 | 94 | 78 | 96 | 76 | 95 | 71 | 93 | 75 | 91 | 75 | 96 | 73 | 95 | 78 | 98 | 78 | 99 | 71 | 98 | 72 | 94 | 79 | 97 |
| 6... | 95 | 78 | 90 | 76 | 95 | 76 | 91 | 71 | 93 | 76 | 88 | 76 | 94 | 72 | 91 | 76 | 97 | 77 | 99 | 73 | 97 | 76 | 96 | 76 | 96 |
| 7... | 95 | 77 | 90 | 77 | 95 | 74 | 95 | 70 | 96 | 77 | 90 | 75 | 95 | 71 | 97 | 73 | 98 | 77 | 99 | 74 | 97 | 76 | 98 | 76 | 96 |
| 8... | 96 | 76 | 90 | 76 | 97 | 73 | 98 | 69 | 98 | 74 | 94 | 73 | 99 | 70 | 92 | 77 | 97 | 74 | 98 | 73 | 97 | 76 | 97 | 76 | 96 |
| 9... | 98 | 77 | 92 | 68 | 100 | 74 | 98 | 72 | 96 | 76 | 94 | 78 | 100 | 70 | 94 | 76 | 98 | 78 | 101 | 75 | 97 | 75 | 99 | 77 | 97 |
| 10... | 98 | 79 | 92 | 74 | 98 | 77 | 97 | 71 | 96 | 78 | 96 | 76 | 100 | 70 | 93 | 78 | 95 | 79 | 100 | 78 | 93 | 77 | 98 | 78 | 97 |
| 11... | 95 | 76 | 89 | 75 | 99 | 74 | 96 | 72 | 95 | 76 | 93 | 74 | 100 | 70 | 93 | 76 | 99 | 78 | 100 | 74 | 96 | 74 | 97 | 76 | 96 |
| 12... | 97 | 76 | 91 | 77 | 99 | 74 | 97 | 71 | 96 | 75 | 94 | 75 | 99 | 71 | 97 | 76 | 99 | 77 | | | | | | | |